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|---------------|----------------|----------------|-----------------|
| 1. Iraq | 51. Libya | 101. Spain | 151. Surinam |
| 2. Mauritania | 52. Uganda | 102. Pakistan | 152. Zambia |
| 3. Madagascar | 53. Swaziland | 103. Sudan | 153. Fiji |
| 4. Zambia | 54. S.Africa | 104. Sudan | 154. Fiji |
| 5. Zambia | 55. Syria | 105. Sudan | 155. Australia |
| 6. UAE | 56. Pakistan | 106. Sudan | 156. Bangla. |
| 7. Iraq | 57. India | 107. Malaysia | 157. Sudan |
| 8. Algeria | 58. Pakistan | 108. Pakistan | 158. Lesotho |
| 9. Jordan | 59. Tanzania | 109. Cote d'I. | 159. India |
| 10. Iraq | 60. Zimbabwe | 110. Sudan | 160. Pakistan |
| 11. Burma | 61. Pakistan | 111. UK | 161. Greece |
| 12. Malawi | 62. Pakistan | 112. UK | 162. Tanzania |
| 13. Papua | 63. Somalia | 113. UAR | 163. Thailand |
| 14. Iran | 64. Tanzania | 114. Indonesia | 164. Pakistan |
| 15. Kenya | 65. Iraq | 115. Sudan | 165. Brazil |
| 16. Iran | 66. | 116. Pakistan | 166. Indonesia |
| 17. Burma | 67. Niger | 117. Pakistan | 167. Brazil |
| 18. Iran | 68. General | 118. Argentina | 168. Indonesia |
| 19. Italy | 69. Sierra | 119. Pakistan | 169. Pakistan |
| 20. UK | 70. Jordan | 120. Malawi | 170. St Vincent |
| 21. Tanzania | 71. India | 121. Yemen | 171. St Kitts |
| 22. Iraq | 72. Tanzania | 122. Yemen | 172. Sudan |
| 23. Nigeria | 73. Spain | 123. Sri L. | 173. Iraq |
| 24. Sudan | 74. UK | 124. Tanzania | 174. Montserrat |
| 25. Cyprus | 75. Spain | 125. Panama | 175. St Lucia |
| 26. Italy | 76. Sudan | 126. Iraq | 176. Dominica |
| 27. Niger | 77. Pakistan | 127. Bangla. | 177. Belize |
| 28. UK | 78. UAE | 128. Burkina | 178. Colombia |
| 29. Zimbabwe | 79. Pakistan | 129. Guyana | 179. Grenada |
| 30. Senegal | 80. UK | 130. Iraq | 180. Indonesia |
| 31. Iraq | 81. Jordan | 131. Sudan | 181. Swaziland |
| 32. Iran | 82. UK | 132. Jordan | 182. Saudi |
| 33. Iraq | 83. Sudan | 133. Pakistan | 183. Malaysia |
| 34. UK | 84. Pakistan | 134. Thailand | 184. Malaysia |
| 35. Iran | 85. UK | 135. Niger | 185. Bangla. |
| 36. Nigeria | 86. Nicaragua | 136. Sudan | 186. Brazil |
| 37. Italy | 87. Pakistan | 137. Congo | 187. Brazil |
| 38. Nigeria | 88. Iraq | 138. Pakistan | 188. Indonesia |
| 39. Italy | 89. Jordan | 139. Brunei | 189. Sudan |
| 40. Italy | 90. Italy | 140. Somalia | 190. Thailand |
| 41. UK | 91. Br. Guiana | 141. Iraq | 191. Nigeria |
| 42. Kenya | 92. Jordan | 142. Yemen | 192. Belize |
| 43. Ghana | 93. Jordan | 143. Ethiopia | 193. Thailand |
| 44. Sudan | 94. Tanzania | 144. Thailand | 194. Ethiopia |
| 45. Sudan | 95. Sudan | 145. Sudan | 195. Ethiopia |
| 46. Pakistan | 96. Pakistan | 146. Cyprus | 196. Jordan |
| 47. Sudan | 97. Iran | 147. Thailand | 197. Mauritius |
| 48. UK | 98. Norway | 148. Brazil | 198. Cyprus |
| 49. Somalia | 99. Iran | 149. USA | 199. Thailand |
| 50. Pakistan | 100. Spain | 150. Iran | 200. Indonesia |

201 Trucial	251 Ethiopia	301 Sudan	351 Saudi
202 Sudan	252 Greece	302 Nigeria	352 Saudi
203 Sudan	253 Sudan	303 Sudan	353 Saudi
204 Antigua	254 Brazil	304 Nigeria	354 Brazil
205 Botswana	255 Sudan	305 Nigeria	355 Kenya
206 Indonesia	256 General	306 Pakistan	356 Nigeria
207 Nigeria	257 Iran	307 Tanzania	357 Sri Lanka
208 Vietnam	258 Ethiopia	308 Indonesia	358 Kuwait
209 Nigeria	259 Iran	309 Indonesia	359 Nigeria
210 Thailand	260 Saudi	310 Kenya	360 Indonesia
211 Sudan	261 Indonesia	311 Egypt	361 Indonesia
212 Cote d'I	262 Gabon	312	362 Indonesia
213 Nigeria	263 Yemen	313 Somalia	363 General
214 General	264 Nepal	314 Indonesia	364 Somalia
215 Indonesia	265 Nigeria	315 Yemen	365 Oman
216 Saudi	266 UAE	316 Kenya	366 General
217 Sudan	267 Thailand	317 Sudan	367 Egypt
218 Somalia	268 Brazil	318 Nigeria	368 Malaysia
219 Spain	269 Indonesia	319 Sri Lanka	369 Oman
220 Spain	270 Indonesia	320 Mauritius	370 Ghana
221 Nigeria	271 Gabon	321 Indonesia	371 Spain
222 Mauritius	272 UAE	322 Sudan	372 Sudan
223 Indonesia	273 Nigeria	323 Egypt	373 Somalia
224 St Christ	274 Sudan	324 Indonesia	374 Sudan
225 UK	275 General	325 Kenya	375 Somalia
226 St Kitts	276 Nepal	326 China	376 Nepal
227 Malaysia	277 Somalia	327	377
228 Angola	278 Cote d'I.	328 Niger	378 Bahrain
229 Afghan.	279 Nigeria	329	379 Sri Lanka
230 Iraq	280 Indonesia	330 Indonesia	380 Indonesia
231 Afghan.	281 Indonesia	331 Jordan	381 Sudan
232 Mauritius	282 Sudan	332 Jordan	382
233 Saudi	283 Somalia	333 Nigeria	383 Indonesia
234 Nigeria	284 Uruguay	334 Bangladesh	384
235 Malaysia	285 Lesotho	335 Indonesia	385 Pakistan
236 Pakistan	286 Sudan	336 Burkina	386 Chile
237 Iran	287 Indonesia	337 Indonesia	387 Sierra
238 Bolivia.	288 Tanzania	338 Sudan	388
239 Ethiopia	289 Oman	339 Libya	389 Indonesia
240 Saudi	290 Kenya	340 Oman	390 Papua
241 Yemen	291 Indonesia	341 Syria	391 Somalia
242 Saudi	292 Indonesia	342 Indonesia	392 Egypt
243 Cote d'I.	293 Seychelles	343 Somalia	393 Nigeria
244 Ethiopia	294 Afghan.	344 Nigeria	394 Yemen
245 General	295 Sudan	345 Sudan	395
246 Nigeria	296 Nigeria	346 Indonesia	396 Somalia
247 Iran	297 Pakistan	347 Bahrain	397
248 Venezuela	298 Nepal	348 Indonesia	398 Nepal
249 Iran	299 W.Samoa	349 Saudi	399 Saudi
250 Sudan	300 Oman	350 St Lucia	400 Sudan

401 US	451 Indonesia	501 Oman	551 Uganda
402	452 Ethiopia	502 Yemen	552 Sudan
403 Malaysia	453 Indonesia	503 Oman	553 Sudan
404 Bangladesh	454 Pakistan	504 Oman	554 Jordan
405 Tanzania	455 Indonesia	505 Bangladesh	555 UK
406 Indonesia	456 Saudi	506 Nicaragua	556 Sudan
407	457 Iraq	507 Burma	557 General
408 Indones	458 Papua	508 Indonesia	558 General
409 Bangladesh	459 Indonesia	509 Malaysia	559 Indonesia
410 Indonesia	460 Saudi	510 Brazil	560 Nepal
411 Sri Lanka	461 Bangladesh	511 Tanzania	561 Indonesia
412	462 Iraq	512 Saudi	562 St Lucia
413 Iraq	463 Malaysia	513 Indonesia	563 Pakiastan
414 Qatar	464 Sierra	514 Zimbabwe	564 Somalia
415	465 Indonesia	515 Brazil	565 Nepal
416	466 Indonesia	516 Somalai	566 Pakistan
417	467 Bolivia	517 General	567 Zimbabwe
418 Saudi	468 Sudan	518 Thialnd	568 Malawi
419	469 Indonesia	519 Malaysia	569 Sudan
420 Brazil	470 Saudi	520 Iraq	570 Tanzania
421 UK	471 Somalia	521 Oman	571 Botswana
422 Sri Lanka	472 Nepal	522 Indonesia	572 General
423 Ethiopia	473 Egypt	523 Iraq	573 UK
424 Thailand	474 Indonesia	524 Bangladesh	574 Sudan
425 Malawi	475 Mozambique	525 Bahrian	575 Sudan
426	476 Zimbabwe	526 Madagascar	576 Bahrain
427 Saudi	477 Mozambique	527 Kuwait	577 Somalia
428 Bangladesh	478 Nepal	528 Indonesia	578 Egypt
429 Pakistan	479 Brazil	529 Swaziland	579 Indonesia
430 Somalia	480 Malawi	530 Mozambique	580 Yemen
431 Burma	481 Saudi	531 Philippines	581 Sudan
432	482 Thailand	532 General	582 Sudan
433 Canada	483 General	533 Swaziland	583 Asia
434 General	484 Nepal	534 Sudan	584 India
435 Qatar	485 General	535 Saudi	585 India
436 Ghana	486 Libya	536 Indonesia	586 India
437	487 General	537 UK	587 Indonesia
438	488 Thailand	538 Kenya	588 Pakistan
439 Sudan	489 Bangladesh	539 UK	589 Lesotho
440 Kiribati	490 Costa Rica	540 Tanzania	590 Sudan
441 Sudan	491 Malawi	541 Saudi	591 Indonesia
442	492 Chile	542 Saudi	592 Oman
443 Indonesia	493 Thailand	543 Pakistan	593 Nepal
444	494 Sudan	544 Swaziland	594 St-Lucia
445	495 Indonesia	545 Pakistan	595 General
446	496 Indonesia	546 Bangl.	596 China
447 Sudan	497 Saudi	547 Saudi	597 Pakistan
448 Nigeria	498 Oman	548 Somalia	598 Swaziland
449 General	499 Nepal	549 General	599 China
450 General	500	550 Ghana	600 Sudan

601. Bangla.	651. Egypt	701. Swaziland	751 Bangladesh
602. Belize	652. Zambia	702. UAE	752 UK
603. Nigeria	653. General	703. Sri Lanka	753 Belize
604. Nepal	654. Indon.	704 Spain	754 France
605. General	655. Suydan	705 General	755 Pakistan
606. Panama	656. General	706 Pakistan	756 Belize
607. General	657. Spain	707 Poland	757 Indonesia
608. Bhutan	658. Cameroon	708 Tanzania	758 UK
609. Somalia	659. Indon.	709 Tanzania	759 General
610. Ghana	660. Pakistan	710 Bhutan	760 Ghana
611. Kenya	661. General	711 Indonesia	761 UAE
612. General	662. Indon.	712 Philippines	762 Nigeria
613. Sudan	663. Sudan	713 General	763 Yemen
614. General	664. Pakistan	714 General	764 Lesotho
615. Sudan	665. UK	715 General	765 Mozambique
616. St Vinc.	666. Zambia	716 Paraguay	766 Europe
617. Spain	667. St Lucia	717 Sudan	767 Indonesia
618. Mozamb.	668. Nepal	718 Papua	768 Indonesia
619. UK	669. Zambai	719 Algeria	769 Zimbabwe
620. Pakistan	670. Uganda	720 Spain	770 UK
621. Pakistan	671. Indon.	721 Panama	771 Malaysia
622. Chad	672. UK	722 Malaysia	772 Gambia
623. General	673. General	723 Europe	773 Tanzania
624. General	674. Oman	724 UK	774 Bhutan
625. Africa	675. Sudan	725 UK	775 Pakistan
626. Zambai	676. Yemen	726 General	776 Peru
627. India	677. Zambia	727 UK	777 Indonesia
628. Nepal	678. Pakistan	728 UK	778 Zambia
629. Sudan	679. Yemen	729 General	779 General
630. Turkey	680. General	730 General	780 Spain
631. Kenya	681. Sudan	731 UK	781 Sudan
632. Indon.	682. Mozam.	732 UK	782 General
633. General	683 Sudan	733 UK	783 Ethiopia
634. Kenya	684. Lestho	734 General	784 Mozambique
635. Pakistan	685. Pakistan	735 General	785 Malawi
636. Indon.	686. UK	736 UK	786 Oman
637. Somalia	687. Indonesia	737 General	787 Romania
638. General	688. Zimbabwe	738 UK	788 Romania
639. Mozam.	689. General	739 General	789 Malawi
640. General	690. Pakistan	740 UK	790 Malawi
641. Indon.	691. Egypt	741 UK	791 Romania
642. Zambia	692. UK	742. Bangladesh	792 Pacific
643. Indon.	693. Jordan	743 Zimbabwe	793 Swaziland
644. Kenya	694. Bhutan	744 Greece	794 Pakistan
645. Pakistan	695. General	745 Indonesia	795 Botswana
646. Spain	696. Sudan	746 Pacific	796 Bangladesh
647. Sudan	697. Sudan	747 Tanzania	797 Indonesia
648. Pakistan	698. Egypt	748 Solomon I.	798 Bangladesh
649. Cameroon	699. Spain	749 Nigeria	799 Nepal
650. General	700. Pakistan	750 Indon.	800 Sudan

- 801 Pakistan
- 802 Tanzania
- 803 UK
- 804 Belize
- 805 Nepal
- 806 Tanzania
- 807 Bangladesh
- 808 Romania
- 809 Pakistan
- 810 Zimbabwe
- 811 Lao
- 812 Yemen
- 813 Egypt
- 814 India
- 815 Nigeria
- 816 Indonesia
- 817 Indonesia
- 818 Indonesia
- 819 Zambia
- 820 Africa
- 821 Australia
- 822 Bangladesh
- 823 Pakistan
- 824 Sri Lanka
- 825 Bangladesh
- 826 Tanzania
- 827 Yemen
- 828 Bhutan
- 829 Zambia
- 830 Nepal
- 831 Pakistan
- 832 Nicaragua
- 833 Malawi
- 834 Oman
- 835 Nigeria
- 836 Sudan
- 837 Indonesia
- 838 Romania
- 839 Indonesia
- 840 Indonesia
- 841
- 842
- 843
- 844
- 845
- 846
- 847
- 848
- 849
- 850

ABU DHABI

74	241	Memorandum on agricultural development	F
		WATER RESOURCES SURVEY	
		Client: Dept. Development & Public Works	
		Finance: Client	
		Company: A. Gibb/HTS	
	142A	Interim report	
70	142B	Supplement to Interim Report. Subsurface investigations	F
	142C	Final report	F
74	142D	Test pumping at Bida Al Saoud: final report	F
	142E	Report of testing wells at Al Hajar, Al Ain	F
68	142F	Inception report	F

AFGHANISTAN

KONAR RIVER BASIN DEVELOPMENT

Client: Ministry of Water & Power

Finance: KFAED

Companies: Electrowatt/HTS/Norconsult

78	294A	Master plan report	F
	294	Master plan studies: identification report	F
	294B	" " ; Annex 1. Soils & land classification	F
	294C	" " : A.2. Agriculture & irrigation	F
	294D	" " : A.3. Hydrology	F
		A.4. Geology	
	294E	" " : A.5. Hydroelectric & power, market studies	
	294F	" " : A.6. Infrastructure	
		A.7. Forestry	
		A.8. Industry	
	294G	" " : A.9. Socio-economy	F
		A.10. Ecology	
		A.11. Institutional requirements	
	294H	" " : A.12. Photographs	
		A.13. Replies to comments on draft report	F

FEASIBILITY STUDY OF A WHEAT STABILISATION & MARKETING SCHEME

Client: Afganistan

Finance: ODA

Companies: TPI/HTS

77	229A	Vol.1. Summary report	F
	229B	Vol.2. Main report	F
	229C	Vol.3. Appendices	F

AGRICULTURAL DEVELOPMENT BANK PROJECT FOR MINOR IRRIGATION REHABILITATION & GROUNDWATER

Client: Ministry of Agriculture & Irrigation

Companies: MMP/HTS

74	231A	Final report	F
	231B	Groundwater development guidelines	F
	231C	Minor rehabilitation guidelines	F
	231D	Farm management guidelines	F

AFRICA

- 91 821 Annual Report for the Rural Development Centre Ongwediva,
Oshakati Namibia
- SOCIO-ECONOMIC DEVELOPMENT STUDIES IN THE
THE ONCHOCERIASIS CONTROL PROGRAMME AREA.
PREPARATORY PHASE**
- Client: WHO. Onchocerciasis Control Programme
Finance: World Bank
Companies: HTS/Organisation et Environnement
- 87 625A Inception report F
- 87 625B Interim report F
- 88 625C Vol.1. Executive summary. Draft
- 625D Vol.2. Main report. Draft
- 625E Vol.3. Appendix E. Case studies
A.F. Report summaries. Draft
- 625F 12th session of the National Onchocerciasis Committees,
Conakry, guinea, May-June 1988. F
Socio economic development studies on the onchocerciasis control
programme area Major socio economic development issues
- 87 625G Phase preparatoire. Rapport preliminaire F
- 87 625H - - - : rapport intermediaire F
- 88 625J Vol.1. Resume. Draft
- 625K
- 625L Vol.3. Appendice E. Etude ponctuelles. Draft
A.F. Sommaires de rapports
- 625M Rapport socio-economie F
- 625N - - - : annexes F
- Final Report**
- 88 625O Vol.1. Main report F
- 625P Vol.2. Appendix F. National Oncho zone development
studies, development proposals
- 625R Vol.3. Appendix F. - - - F
- 625S Vol.4. Bibliography F
- Rapport Final**
- 625X Vol.1. Rapport general
- 625Y Vol.2. Etudes nationales de developpement des zones
oncho et propositions de developpement
- 625Z Vol.3. Etudes nationales de developpement des zones
oncho et propositions de developpement
- Working papers**
- 625T 1. Socio-economic development issues F
- 625U 2A. Rapport socio-economique F
- 625V 2B. - - - : annexes F
- 625W 3. Information of Landsat & Spot imagery F
- 625AA
- 57 94 Operation Overthrust: memorandum F
- 94A Mineral exploration in southern Tanganyika F
Company: HTS

ALGERIA

CONTRAT D'ACQUISITION, DU TRAITEMENT ET DE L'INTERPRETATION DES IMAGES DE L'ALGERIE DU NORD PRISES PAR SATELLITES LANDSAT ET SPOT

Companies: Energoprojekt/Enhyd/HTS

90	719A	Rapport d'avancement Mai, Juin, Juillet	F
90	719B	Compte rendu du 1st, 2nd, 3rd, 4th secteurs Septembre, Novembre 1990. Janvier, Mars 1991	F
91	719C	Etudes generales de la petite et moyenne hydraulique agricole; rapport de synthese	

Finance: Bureau de Recherches Minieres de l'Algerie

Company: Hunting Aerosurvey

55	8A	Report on a preliminary photogeological interpretation of part of Hoggar Massif	F
56	8B	Report on the photogeological interpretation of two areas in the Ahaggar Massif of Central Sahara	F
56	8	Rapport d'interpretation photogeologique courant deux zones du Massif de l'Ahaggar dans le centre du Sahara. N.B. 8A & 8B bound together	F

ANGOLA

LIVESTOCK SECTOR REVIEW IDENTIFICATION & APPRAISAL OF PROJECTS

Client: Angola

Finance: Coffee Diversification Fund of Angola

Companies: APG Integrated Projects/HTS

	228A	Vol.1. Summary	F
	228C	Vol.2. Livestock sector review & development plan	F
	228D	Vol.2. Revisao do sector de producao animale plano de desenvolvimento	F
	228E	Vol.3. Infrastructural requirements	F
	228F	Vol.4. Production prospects	F
	228G	Vol.5. Appendices	F
74	228H	Angolan Livestock Study. Meat processing & transport section incorporating meat marketing (technical aspects)	F

ANTIGUA

Client: Antigua

Finance: ODA

Company: Peat Marwick Mitchell

72	204	Report on the sugar industry	F
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ARGENTINA

Client: Argentina

Finance: Min.of Overseas Dev./Agua y Energia Electrica

Company: HTS

67	118	Study of the Rio Dulce Project	F
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ASIA

Finance: Asian Development Bank

Company: HTS

8.85	583A	Technical assistance for the assessment of trained & skilled manpower needs for agricultural development in three selected countries of South Asia: Pakistan, Sri Lanka & Nepal. Institutional study: final report, by R.O. Campbell.	F
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AUSTRALIA

KAKADU NATIONAL PARKS

93	821	Australian National Parks & Wildlife Service	
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MURRAY VALLEY SALINITY INVESTIGATIONS

Client: River Murray Commission

Companies: Gutteridge, Haskins & Davy/HTS

70	155A	Vol.1. The report	F
	155B	Vol.2. Maps	F
	155C	Vol.3. A summary	F
	155D	Bibliography to 29.2.69	
	155E	Progress reports 1st, 2nd, 3rd	F
	155F	Interim reports 1st, 2nd	F
		N.B. D & E bound together at 155D	

BAHRAIN

DEVELOPMENT PLAN AT HAWARAT ALI, BUHAYR, HAWARAT ANQA & ADARI

Client: Bahrain. Ministry of Commerce & Agriculture

Company: GDC

85	576A	Design note	F
85	576B	Agricultural development at Adari...	F
	576C	--- : album of drawings	
	576D	Agricultural development at Buhayr...	F
	576E	--- : album of drawings	
	576F	Agricultural development at Hawarat Ali	F
	576G	--- : album of drawings	
	576H	Agricultural development at Hawarat Ali, Buhayr & Hawarat Anqa...	F
	576I	--- : detail drawings for buildings	
	576J	Agricultural development at Hawarat Anqa ...	F
	576K	--- : album of drawings	

78	525	Pira Packaging Division. Investigation report	F
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LAND USE MAPPING PROJECT

Client: Bahrain. Ministry of Commerce & Agriculture

Finance: Client

Company: HTS

378		Land utilisation in Bahrain 1966 & 1977	F
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AGRICULTURAL POTENTIAL

Client: Bahrain. Ministry of Commerce & Agriculture

Finance: Kuwait Fund for Arab Economic Development

Companies: HTS/MMP

78	347A	Confidential report	F
	347	Summary report A. Survey & sector review	F
	347B	--- B. Project identification & feasibility study	F
	347C	Final report. Survey & sector review	F
	347D	--- . Project identification study	F
	347E	--- . Agricultural development plan	F
	347F	--- . Annexes to the Agricultural Development Plan	F
		A.A. Project details	
		A.B. Institutional analysis & reorganisation	
		A.C. Resource use & development	
		A.D. Livestock traditional sector	
		A.E. Livestock modern sector	
		A.F. Irrigation & drainage development data	
		A.G. The Tse farm development	
		A.H. Agro-industrial project	

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- 91 825 Report of the Ex-Post Evaluation Mission Mar.91
J.Phillips,H.Miah,A.Yesewalul,A.P.Bartlett

SYSTEMS REHABILITATION PROJECT ALA/89/06

Client C.E.C.

- 93 822 Mid term evaluation mission DRAFT REPORT
94 822A - - -- -- Final Report

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- 93 807 Outline monitoring & evaluation framework Apr.93

EVALUATION OF RURAL DEVELOPMENT II

- 93 798 Draft final report Feb.93
798A Final Report April 93

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Client: Government of Bangladesh Ministry of Agric.

Companies: HTS/I.MacDonalds Ass/Uni of Edinburgh/Uniconsult

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- 92 796 Inception report
93 796A Training Materials Specialist Mar.93
93 796C Seed Component Apr.9
94 796K District Extension Programmer Jan 94
796M Homestead Production Programme Manager Jan.94

Progress Report

- 93 796D Jul.93
796N Jul-Dec.93
796O Six Monthly Report for World Bank 1Jul-31Dec 93
94 796Z EEIME Report No.2 Nov.-Dec.94
796AK No.3 Jul.-Dec. 94
796AQ No.4 Jan - Jun.95
- 93 796B Report on the Group Extension Specialist Apr.93
796E Policy Discussion Note 13 Pilot Approaches for Demand-Led Extension Apr.93
796F Report of the Group Extension Specialist Apr.93
796G An Information Needs Assessment System Technical Note No.4 Jul.93
796L Project Monitoring Report Jan 94
796P Visit by D.Wright Research-Extension Linkages Consultant 23Mar-20Apr.
796Q Mid Term Report Jun.94
94 796R Extension & Environmental Impact Monitoring & Evaluation Component
Baseline report
796S Mid term review Sept.94
796T Mid term review :Executive Summary & Recommendations & Suggestions
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796U Report of Research-Extension Liaison Specialist Oct.-Nov. 94
796V Report of the Group Extension specialist 6-30 Nov. 94
796W Extension Policy Monitoring Strategy Dec. 94
796X A.Proposed Extension Strategy Jul. 94
796Y Visit by D. Wright Research-Extesion Linkages Consultant 20 Oct.-18 Nov.94
796AA Management Team Discussions Report 23 Jan.-2 Feb.
796AC Institutional Specialist Field Report DRAFT

- 796AD No.47 Variety Maintenance & Breeders Seed Production
- 796AE Institutional Specialist Report: Extension & Environmental Impact Monitoring & Evaluation Component Apr.95
- 796AJ No.48 Third working report on seed technology research
- 796AL No 50 Jessore Pilot Programme Progress Report May 95
- 796AM Interim Report on the Evaluation of Farmer Training Under ASSP 1993 -94
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- 796AN Aide Memoire May 95
- 796AP Concept Note Jul.96-Dec.98

Farmer Information Needs Survey

- 796H Mymensingh District: AEZ 9 (Older Brahmaputra Floodplain)
- 796I Khulna District: AEZ 13 (Tidal Ganges Floodplain)
- 796J Moulvibazar District: AEZ 20 (Eastern Surma-Kushiyara Floodplain)

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- 796AF Rice Variety Maintenance & Breeders Seed Production Mar.95
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BRIDGE PROJECT AREAS**

Companies:GHK MRM /HTS/Uniconsult

- 91 751A Inception report
751B Interim report
751C Draft Final Report (Preliminary)
- 92 751D Land use master plan: Final report
751E Dhaleswari mitigation plan: Final report
751F Dhaleswari mitigation plan Annexes

BANGLADESH FLOOD ACTION PLAN.

Component FAP 12. FCD/1 Agricultural study

Component FAP 13. Operation & maintenance study

Client: Min.Irrigation,Water development & Flood control.

Companies: HTS/Flood Hazard Res./H.Fishtec/Sany/Technoconsult

- 91 742A Inception report. Components 12 & 13. FCD/1 Agricultural study & operation
maintenance study. Draft

FAP 12

- 91 742B Methodology report. Draft
- 91 742D Rapid rural appraisals: overview
- 742E Rapid rural appraisal of Halir Haor project
- 742H Rapid rural appraisal of Brahmaputra right embankment Kamarjani Reach
- 742I Rapid rural appraisal of Katakhalı Khal project
- 742J Rapid rural appraisal of Brahmaputra right embankment Kazipur Reach
- 742K Rapid rural appraisal of Kahua-Muhuri embankment project
- 742L Rapid rural appraisal of Konapara embankment project
- 742M Rapid rural appraisal of Nagor river project
- 742N Rapid rural appraisal of Polder 17/2
- 742P Rapid rural appraisal of Protappur Irrigation project
- 742Q Rapid rural appraisal of Improvement of Sakunia Beel
- 742R Rapid rural appraisal of Silimpur-Karatia Reator cum bridges
- 742S Rapid rural appraisal of Sonamukhi-Banmander Beel drainage project
- 742X Rapid rural appraisal of Kolabashukhali project
- 92 742Y Project impact evaluation Chalan Beel Polder-D
- 742Z Kolabashukhali project
- 742AA Kurigram south project
- 742AB Meghna-Dhonagoda irrigation project
- 742AC Zilkar Hoar project
- 742T Draft final report Vol.1 Main report
- 742U Draft final report Vol.2 Rapid rural appraisal & PIE results
- 742V Methodology report 1 Main Volume
- 742W Methodology report 2 Appendices
- 92 742AD Final report Vol.1 main report
- 742AE -- -- Vol.2 Rapid rural appraisal & PIE results
- 742AF -- -- Vol. 3 Appendices E-J
- 742AG -- -- Vol. 4 K-P

FAP 13

- 742C Methodology report. Draft
742F Appraisal of operation & maintenance in FCD/1 projects.
Vol.1. Main report. Draft
742G --- : Vol.2. Case studies
92 742AH Operation & maintenance study final report:
Vol.1 Main report
742AJ - 2 Case studies

DEEP TUBEWELLS 2 PROJECT : EXTENDED PHASE

- Overseas Development Administration
89 601A Project document F

INVESTIGATION OF LANDS WITH DECLINING & STAGNATING PRODUCTIVITY

- 86 640B Bangladesh: country report F

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- Mott MacDonald/HTS
Client: Bangladesh. Ministry of Agriculture
Finance: Bangladesh Agric.Dev.Corp.
- 83 546A Inception report F
84 546W Irrigation Management Program Manual for Upazila Officers DRAFT
91 546BC Inception report: agricultural review & work programme, by J.Green
91 546BF Planning report: remote sensing study: measurement of irrigated areas 1983-1991
92 546BM Interim report: Hydrogeology of the Comilla region with Special reference to groundwater salinity
92 546BO Tour report F.J.Joosten
- 546B Soil characterisation in relation to requirement for the groundwater model. Draft F
86 546H Annual evaluation survey. Socio-economic & land ownership survey of 10 DTW projects:final report. Draft F
87 546R Institutions review F
91 546U Co-operatives & institutions specialist: inception report
546X Monitoring visit to Deep Tubewell 11 Project, 11-18 Mar86 F
- 88 546AA IDA 4000 Deep Tubewell Project 11. The pilot study into optimum well design. Vol.5. Calculating & comparing costs & selection of the optimum 2 cusec irrigation well F
90 546AW Joint IDA/ODA review mission. Status report
90 546BE ODA review mission 17-22 March 1990
91 546BK Irrigated crop production manual Draft final
92 546BL -- -- --- -- Final
546BQ Arabic Version Report

Phase 1 Assignment Completion Report

- 86 546I Main report F
546J Annexure 1. Project well data.Vol.1 Mymensingh region Part 1 F
546K -- Vol.2 Mymensingh region. Part 2. F
546L --- : Vol.3.Kishorganj & Dhaka regions
F
546M Annexure 2. Study area investigations. Vol.1. Main report F
546N ---:Vol.2 Data from existing wells F
546O ---:Vol.3 Exploratory drilling results F
546P Album of maps

Working Papers			
87	546T	24. IMP administration & co-operative development	F
87	546V	27. Farmer organisation for demonstration schemes	F
88	546AH	28. Report of task force on under performing wells	
88	546Z	29. Discussion paper on training needs analysis	F
88	546AB	31. Discussion paper on improved financial management at KSS deep tubewells	
88	546AD	32. Sonali Bank UCCA & KSS consolidation of measures	
89	546AE	34. Buried pipe irrigation distribution system implementation note	
89	546AX	36. Report of the 1987/88 annual monitoring survey	
89	546AP	37. Report of joint investigation on breakdowns of pumps & gearboxes	F
89	546AJ	38. A survey of deep tubewell performance	
89	546AR	40. Report on diagnostic survey of under performing deep tubewells with mechanical defects	F
89	546AK	42. Sonali Bank term loan: accounting, reporting, monitoring & recovery management pilot programme design manual	
89	546AL	43. UCCA term loan: accounting reporting monitoring & recovery management pilot programme design manual	F
89	546AM	44. KSS irrigation book keepers guide	F
89	546AN	45. End of season report: 1988-89 irrigation season	F
90	546AU	46. Economic design of deep tubewells for Greater Sylhet & hydrogeology work programme	
89	546AO	47. Revised tubewell development limits 1990-1992	F
89	546AS	48. Review of project area groundwater development	F
90	546AT	52. Report of the 1988/89 annual monitoring survey	F
90	546AV	55. A review of model bye-laws for co-operatives & water users associations	
90	546AY	56. Production technology for irrigated diversified cropping	F
91	546BA	57. Vol.1. Training plan Oct 90-Jun 92	
	546BB	57. Vol.2.	
90	546AZ	58. Equity impact of deep tubewells	F
91	546BD	59. economic benefits of deep tubewell regulation	
91	546BJ	60. Scheme performance study	

Progress Reports			
84	546C		F
84	546D		F
85	546E	No.4	F
85	546F	No.5	F
85	546G	No.6	F
	546S	No.9, 10, 11 Apr.-Dec. 87	F
88	546Y	No.12	F
88	546AC	No.13	F
	546AF	No.14 Dec 88 and Nos 15-16 Apr, Sept 89	F
	546AG	No.17-18 Jan, Jun 90	
	546BG	No.21, 22 Jan-Aug 91	
	546BH	19-20 May to Aug.90 - Sept.-Dec.90	
91	546BN	No.23 Sept.-Dec.91	
92	546BP	No.24 Jan.-April 92	

FINAL REPORT

- 546BR 1992 Annual monitoring survey DRAFT REPORT
- 546BS Main Report 1983-92
- 546BT Executive Summary 1983-92
- 546BU Final report supporting Vol.1.1 Project Formulation & Management
- 546BV Final report supporting Vol.2.1 Natural resources
- 546BW Final report supporting Vol.2.2 Well Design & Construction
- 546BX Final report supporting Vol.2.3 Performance of Pumping Equipment
- 546BY " " " " 2.4 Deep tubewells irrigation systems
- 546BZ Final report supporting Vol.3.1 Scheme Organisation & management
- 546CA Final report Supporting Vol. 3.2 Demonstration schemes & Farmer Visits
- 546CB Final report supporting Vol. 3.3 Farmer training programmes
- 546CC Final report supporting Vol.4.1 Credit Admin. & Management
- 546CD Final report supporting Vol.4.2 Training of support organisations
- 546CE Final report supporting Vol.5.1 Irrigated Agricultural Production
- 546CF Final report supporting Vol.5.2 Data collection & management
- 546CG Final report supporting Vol.5.3 Project Economics

SUPPLEMENTS TO FINAL REPORTS

- 546CH 1.1/1 Project Documentation
- 546CI 1.1/2 Project administration
- 546CJ 2.1/1 Groundwater resources
- 546CK 2.1/2 Groundwater Planning & Monitoring
- 546CL 2.1/3 Groundwater Salinity Study
- 546CM 2.2/2 Construction Records
- 546CN 2.2/3 Well Design
- 546CO 2.2/4.1 Vol.1 Main report Minor irrigation technologies
- 546CP 2.2/4.2 Vol II Supporting studies Minor irrigation technologies
- 546CQ 2.2/4.3 Vol III Data Appendices Minor irrigation technologies
- 546CR 2.3/1 Pumpset performance
- 546CS 2.3/2 Mechanical Performance
- 546CT 2.4/1 Water Management Study 1988-92
- 546CU 2.4/2 Minor Irrigation Conveyance Systems A Trainers Reference
- 546CV 3.1/1 Scheme organisations
- 546CW 3.1/2 D.T.W. Scheme Financial Management
- 546CX 3.1/3 Social Performance
- 546CY 3.2/1 Demonstration Schemes-Case Studies
- 546CZ 3.2/2 Selection & Usage of Demonstration Schemes 1989-92
- 546DA 3.2/3 Irrigated Crop Production Manual
- 546DB 3.3/1 Farmer Training Programmes-Materials
- 546DC 3.3/2 Completion reports Farmer training
- 546DD 4.1/1 Term Loan Accounting
- 546DE 4.1/2 Banking Plan Review
- 546DF 4.2/2 Training Plans
- 546DG 5.1/1 Remote sensing surveys
- 546DH 5.1/2 Impact of irrigated cropping
- 546DI 5.1/3 Annual monitoring survey 1991
- 546DJ 5.1/4 Annual monitoring survey 1991
- 546DK 5.2/1 Database manual
- 546DL 2.2/1.1 Project map

SECOND TUBEWELL PROJECT

Client: Bangladesh Agricultural Development Corporation

Finance: Asian Development Bank

Companies: MMP/HTS

82	505	Interim report	F
	505A	Final report. Vol.1. Main report. Draft	F
	505B	--- : Vol.2. Soils & agriculture. Draft	F
	505C	--- : Vol.5. Environment. Draft	F

WATER BALANCE STUDIES

Client: UN.Dept of Technical Co-operation for Development

Finance: Client

Companies: MMP/HTS

81	524J	Interim report	F
83	524	Final report. Main report Draft	F
	524A	---: summary. Draft	F
	524B	---: annex 1. Northeast data. Draft	F
	524C	---: annex 2. Northwest data. Draft	F
	524D	---: report 1. Surface water	F
	524E	---: report 2. Groundwater. Draft	F
	524F	---: report 3. Agriculture & land use	F
	524G	---: report 4. Water use. Draft	F
	524H	---: report 5. Water balance model. Draft	F
	524I	---: report 6. Water sector planning. Draft	F

NORTHWEST BANGLADESH GROUNDWATER MODELLING STUDY

Bangladesh Agricultural Development Corporation

Company: MMP

81	461	Progress report no.4	F
	461A	--- no.7	F
	461B	Interim report	F
	461C	Final report	F
	461D	Operators manual	F

INTENSIVE RURAL WORKS PROGRAMME

Client: Swedish International Development Authority

Finance: DANIDA/NORAD/SIDA

Companies: MMP/HTS

80	428A	Inception report	F
	428B	Progress report	F
	428C	Annex to Progress Report	F

INTEGRATED AGRICULTURAL DEVELOPMENT PROJECT IN KUSHTIA, JESSORE & NORTHERN FARIDPUR DISTRICTS

Client: Bangladesh Agricultural Development Corporation

Finance: International Fund for Agricultural Development

Companies: MMP/HTS/SARM

80	409A	Project preparation report. Main report	F
	409B	--- Annex A. Water resources & requirements	F
	409	--- Annex B. Soils & agriculture	F
	409D	--- Annex C. Institutions & credit	F
	409C	--- Annex D. Engineering	F
	409E	--- Annex E. Economics & marketing	F
	409F	--- Annex of drawings	F

TUBEWELL PROJECT, NORTH BANGLADESH

Client: Bangladesh. Water Development Board

Finance: Asian Development Bank

Companies: MMP/HTS

79	404	Inception report	F
80	404H	Vol.1. Main report	F
	404N	Supplementary report on groundwater modelling	F
	404I	Vol.2. Groundwater	F
	404J	Vol.3. Soils & agriculture	F
	404K	Vol.4. Engineering	F
	404L	Vol.5. Institutions	F
		Vol.6. Environment	F
	404M	Vol.7. Economics	F

BADCIDA TUBEWELL PROJECT

Client: Bangladesh
Finance: Agricultural Development Corporation
Company: MMP

78	334	Vol.1. The project	F
		Vol.2. Irrigation	
	334A	Vol.1A. Tubewell data	F
	334B	Vol.3. Groundwater	F
	334C	Vol.3A. Appendices - groundwater	F
	334D	Vol.4. Tubewell electrification	F
		Vol.5. Tubewell technology	
		Vol.6. Operation maintenance	
	334F	Vol.6. Album of maps	
	334E	Report on screen materials & configuration	F
71	334G	Site selection manual	F

DACCA NORTH PROJECT

Companies: Pakistan Techno-Consult/MMP/HTS

71	185A	Vol.1. Summary. Draft	F
	185B	Vol.2. Present situation. Draft	F
	185D	Vol.3. Future situation. MICROFICHE ONLY	F
	185C	Vol.4. Project drawings	

TEESTA PROJECT

East Pakistan Water & Power Development Authority
Company: Binnie

69	156	Memorandum (Interim report)	F
----	-----	-----------------------------	---

**RECONNAISSANCE SOIL SURVEY, RANGPUR DISTRICT,
NILPHA ARI & SADAR DIVISION**

67	489	Summary of agricultural development possibilities	F
----	-----	---	---

INVESTIGATIONS INTO IRRIGATING TEA IN SYLHET & CHITTAGONG

Client: Bangladesh. Ministry of Commerce
Finance: Government of Bangladesh
Companies: MMP/HTS

63	127F	Report on a preliminary examination of the possibility of irrigating tea	F
66	127G	Groundwater resources investigations for the Sylhet & Chittagong irrigation project report on preliminary hydrogeological assessment of the project area	F
67	127A	Vol.1. Summary	F
	127B	Vol.2. Water requirements of tea & their fulfilment Incl: A1 Climatic data & the calculation of evaporation A2 Soil profile des. & lab. data A5 Relationship weather & tea yields	F
	127C	Vol.3. Surface water & groundwater resources	F
	127D	Vol.4. Development of water resources	F
	127E	Drawings to accompany Vol.4.	

BELIZE

ENVIRONMENTAL MONITORING, STANN CREEK VALLEY ROAD PROJECT

Client: Government of Belize Min. of Tourism & the Environ.

93 804 Inception Report

VISIT REPORTS

804A Sept. 93

94 804B Mar. 94

804C Sept. 94

95 804D Jul. 95 & Aug. 95

ECONOMIC EVALUATION & ENVIRONMENTAL IMPACT ASSESSMENT OF THE IMPROVEMENT OF THE HUMMINGBIRD HIGHWAY

Client: Belize

Company: Tecnecon

91 756A Study report

RECONSTRUCTION OF STANN CREEK VALLEY ROAD DESIGN STUDY

Client: Belize Min. Works

Finance: ODA

Company: Roughton/Tecnecon

91 753A Final report

753B Final report. Appendices

A.A. Test pit logs

A.B. Pavement measurements & evaluation

A.C. Road surface roughness

A.D. Traffic

A.E. Construction strategy

A.F. Costs

A.G. Economic evaluation

A.H. Drainage structures

A.J. Terms of Reference

CD.1. Conceptual Conditions of Contract

CD.2. Conceptual Specification

753C Dangriga to Alta Vista: conceptual design drawings.

Draft Appendix CD3

753D Quarterly Report Jan-Mar 94

753E Quarterly report Apr.-Jun. 94

86 602A Report on a prefeasibility study to examine the potential for a nucleus estate & small-holder development on the Cramer Moho & Cramer Temash lands in the Toledo district

Client: Belize

Overseas Development Administration

F

192 Preliminary study of the potential for tobacco production

Client: British Honduras/ODA

Finance: Overseas Development Administration

Company: HTS

F

71 177 Agricultural credit

Client: Belize/Overseas Development Administration

Finance: Ministry of Overseas Development

Company: HTS

F

BHUTAN

IRRIGATION ACTION PLAN

Client: Min. of Agric. Government of Bhutan
Companies HTS/Mott MacDonald

94 828 Inception report

Phase I

828A Draft Final Report Vol.1 of 3 Main Document Jul 94

828B " final report Vol.2 of 3 Annexes

828C " Final report Vol.3 of 3 Impact study

828D Estimation Package Manual

Phase II

Progress Reports

828E No.1

828F No.2

828J No.3 Dec.95

828G Study Tour

95 828H An Economic Analysis of Public Irrigation Investment in the Kingdom of Bhutan
by P.R. Bleeker

828I Aide Memoire Review Mission

828K Irrigation Policy Workshop: Proceedings

828L Irrigation Policy Workshop: Discussion Papers

STRENGTHENING OF VETERINARY SERVICES FOR LIVESTOCK DISEASE CONTROL

Client:Ministry of Agric.Government of Bhutan
Companies:HTS/Danagro

92 774A Inception report

774B Annual work plan & budget 92/93

774C Consultancy report: R.W.Halliwell 6.6.92-13.7.92

774D Consultancy report: Epidemiology M.Thrusfield 29 June-30 July 92

774F Final report: Review of vaccine production centre Serbithang Aug.92

774G Livestock products marketing in Bhutan market study & policy recommendations
Interim report Oct.92

93 774K Final Report: Tala milk producers co-operative: Review of milk production Feb.92

92 774L Procurement Tender for Laboratory Equipment & Supplies Dec.92

93 774M Annual Work Plan & Budget Jul 93-Jun 94 DRAFT Mar.93

93 774N Livestock products marketing in Bhutan for livestock master plan:
FINAL REPORT Apr.93

94 774AB Annual Work plan & budget Apr.94

95 774AI Annual Work Plan & Budget 95-96 Apr.95

95 774AK Mid-term Review Report DRAFT Apr.95 V.2

774AN Curriculum for 2 Yr. Diploma Course for Laboratory Technicians

Technical Reports

92 774H No. 1 Aug.-Nov.92

774J No. 2 " " " Provisional Syllabus for Veterinary & Medical Technicians

93 774P R. Halliwell 93

94 774AF Feb.-Dec.94

95 774AM Mar.-Sept.95

Progress Reports

- 92 774E April-Sept.92
93 774Q Oct.92-Mar 93
774S (Non Standard Draft) Apr.-Jun.93
774AA Jul.-Dec.93
94 774AD Jan.-Jun.94
774AH Jul.-Dec.94
95 774AO Jan.-Jun.95

Quarterly Reports

- 93 774R Quarterly progress report & financial summary Jan-Mar 93
774T Apr.-Jun.93
774U Jul.-Sept.93
774V Oct-Dec93
94 774Z Jan-Mar.94
774AC Mar-Jun.94
774AE Jul.-Sept.94
95 774AG Oct.-Dec.94
774AJ Jan.-Mar.95
774AL Apr.-Jun.95
774AP Jul - Sept. 95

Master plan for livestock Development

- 774W Vol 1 Final Dec.93
774X Vol.2 Final Dec.93
774Y Annexes
95 774AQ Animal Health Information System DRAFT

PUNAKHA-WANGDI VALLEY DEVELOPMENT

Companies: HTS/Mott MacDonald

- 90 710A Technical assistance senior consultants inception report F
90 710B Technical assistance: senior farming systems consultants, F
End of visit report
90 710C Technical assistance:senior irrigation & water management consultants
end of visit report F
91 710D Technical assistance: senior irrigation & water management consultants:
end of visit report No.2
92 710E End of visit report No.3 May 92
93 710F End of visit report No.4 Apr.93
710G - - - - No.5 Nov.93

ACCELERATED FOOD PRODUCTION PROGRAMME WORK PLAN

Client: Bhutan. Department of Agriculture

Finance: FAO

Company: HTS

Final report

- 694B Annex B. Agricultural environment, food production & development potential DRAFT
694C Annex C. Farm economics. DRAFT
89 694A Report of the preparatory mission.
Annex A. Land use planning. DRAFT

Project findings & recommendations

- 90 694D Vol.1. Policies & strategies
694E Vol.2. Plan of action
694F Vol.3. Project/programme outlines

MANPOWER DEVELOPMENT & TRAINING PROJECT

Client: Bhutan

Finance: Asian Development Bank

Companies: HTS/MMP

- 86 608A Administration report. Draft
608B Inception report F
89 608D Guidelines on project reporting monitoring & evaluation F
87 608E Watershed management planning report F
87 608AB Watershed management final report F
87 608F Final report by Construction Management Specialist F
87 608G Construction management manual F
89 608K Office procedure manual F
88 608L DOA filing system: review & recommendations by D.Potten F
88 608M Note on personnel training & records F
89 608U Aspects of manpower planning in the department of agriculture F

87 608J Extension inception report F
88 608T Extension handbook. Draft
90 608AA Handing over notes for Extension Specialist F
90 608AD Guidelines for agricultural extension staff F
90 608AE Extension - Final report: summary of activities undertaken by the
Extension Specialist F
90 608AF Report on soil conservation extension F
608C Progress report Aug86-Feb87;Feb-Aug 87 F
608I -- -- Jan-Apr, Aug.&Oct.88 F
608W Progress report Mar, Jun-mid Jul 89, Sept, Nov, Dec 89 F
Progress note Nov 1989
608Z Progress report Jan, Feb 1990 F

88 608P National Agricultural Training Institute. Two years diploma course for
agricultural extension agents draft curriculum
608R --- : curriculum
89 608S --- : basic nutrition module addendum to curriculum F
90 608AC Final report F
92 608X National Agriculture Training Institute. Field crops
92 608AG National Agriculture Training Institute. Curriculum & lesson plans Vol.1 of II
608AH National Agriculture Training Institute. Curriculum & lesson plans Vol.2 of II

BOLIVIA

- 80 467A The expression of geology & mineralisation in Landsat imagery of selected areas of Bolivia & Panama
Natural Environmental Research Council
Company: HGG F

MEAT MARKETING & PROCESSING

Client: Bolivia/IBRD

Finance: IBRD

Companies: HTS/Manual Vivada

- 74 238A Vol.1. Summary F
238B Vol.1. Resumen F
238C Vol.2. Produccion, comercializacion de la carne
higiene y clasificacion de la carne F
238D Vol.3. Mateaderos y frigorificos F
238E Vol.4. Informacione estadistica F

BOTSWANA

LAND RESOURCE ASSESSMENT FOR LAND USE PLANNING

- 92 795 Map of land suitability for rainfed crop production explanatory note & legend

STUDY OF ENERGY UTILISATION & REQUIREMENTS IN THE RURAL SECTOR

Client: Botswana

Finance: Overseas Development Administration

Companies: Energy Planning/International Forest Science Consultancy/HTS

- 85 571A Vol.1. Report. Draft F
571B Vol.2. Appendices F
A.1. Assessment of statistical error in woodfuel consumption estimates
A.2. Mapping vegetation types from Landsat satellite imagery
A.3. Estimates of standard deviation in calculation of biomass growing stock in eastern Botswana
A.4. Water pump costs assumptions
A.5. Description & cost breakdown of fuelwood plantation model & indigenous woodland management
A.6. Economic costs of increased fuelwood scarcity

- 73 205 Kasane land use survey F
Client: Botswana/Overseas development Administration
Finance: Overseas Development Administration
Companies: HTS/Intermediate Technology Development Group

*F A0,
not HTS*

BRAZIL

- 82 515 Identification of wattle plantations from Landsat
satellite imagery, Montenegro F
Finance: Private
Company: HTS
- SHEEP PRODUCTION PROJECT**
Client: Private
Finance: Private
Company: HTS
- 81 510 Technical proposals F
- DEVELOPMENT OF AGRO-INDUSTRIES IN THE STATE OF PERNAMBUCO**
Client: DIPER
Finance: Ministry of Overseas Development
Companies: A.Gibb/HTS/Cooper Lybrand
- 78 354 Inception report. Vol.1. F
354A --- : Vol.2. F
354B --- : Vol.3. F
- 79 354C Briefing report for April 1979 mission from Ministry of Overseas Development F
354D Interim report. Main report F
354E --- : Annexes F
354F Relatorio interino : relatorio principal F
354G --- : Anexos F
- 80 354H Market reports on citrus products, fine wines fish products,
essential oils & spice extracts & fresh products. F
354M Report on investor interest in the Sao Francisco Valley F
354I Report by visiting specialist on handling of fresh horticultural crops in
Sao Francisco Valley F
354J --- on integrated livestock development potentials
in the Massangano project area, SFV F
354K --- on seed production & quality control Pernanbuco &
development of a specialist seed producing industry in Pernambuco F
354L --- on the scope for the production of essentialoils, garlic oil, onion oil & onion
extracts & Japanese mint oil in the Massangan Irrigation Project F
354N --- on operation, water control & maintenance at Massangano F
354O Reports on planning of the Massangano Irrigation Project. Vol.1. F
354P --- : Vol.2. F
354Q Report on the development of an agro-industry for liquid milk
in the Petrolina area of SFV F
354R --- for tomato & guava products in the ... F
354S --- for cotton products in the ... F
354T --- for onion products in the ... F
354U --- for alcohol from sugar cane in the... F
354V --- for raisins in the ... F
354X End of assignment report F
- PROJETO GUAIRA. ESTUDO DE VIABILIDADE ECONOMICA DE IRRIGACAO**
San Paulo. Departamento de Aguas e Energia Eletrica
- 76 420A Relatorio principla F
420B Relatorio de agricultura F
420C Relatorio de engenharia F
420D Relatorio de economica F

CORRENTE SETTLEMENT PROJECT

Brazil. Ministry of the Interior

Companies: Corrente Study Group

(SUDENE, SUVALE, Ministry of Overseas Development)

- | | | | |
|----|------|--|---|
| 74 | 254A | Project identification report | F |
| | 254B | Maps | F |
| | 254C | Relatoria de definicao do projeto | F |
| 74 | 479 | Basic criteria for carrying out planning of irrigation projects. | F |

SAN PAULO IRRIGATION STUDY

Governo do estado de Sao Paulo. Secretaria dos Servicos e Obras Publicas. Departamento de Aguas e Energia Eletrica

Company: Master-MRT

- | | | | |
|----|------|---|---|
| 74 | 165A | Irrigation reconnaissance report. Part 1. Present situation Draft | F |
| | 165B | --- : Part 2. Future development. Draft | F |
| | 165C | Sumario | |

ALTO TURI SETTLEMENT PROJECT FEASIBILITY STUDY

Brazil/Overseas development Administration/USAID

Companies: HTS/Rendell Palmer & Tritton

- | | | | |
|----|------|---|---|
| 71 | 186A | Vol.1. Main report | F |
| | 186B | Vol.2A. Soils agriculture & forest utilisation | F |
| | 186C | Vol.2B. Infrastructure | F |
| | 186D | Vol.2C. Organizacao da companhia de desenvolvimento do Alto Turi | F |
| | 186E | Preliminary report on the market for broadleaf timber in Brazil | F |
| 71 | 187 | Amazonas sorva gum investigations Sabba & Cia
Company: HTS | F |
| 71 | 167 | Forest development: State of the Amazonas | F |
| | 167A | --- : Federal Territory of Rondonia & State of Amazonas
Client: Hilmar Reksten/Mawitzen
Finance: International Business Logistics Corp.
Company: HTS | F |
| 70 | 268 | Brazil: hardwood marketing: report by J.Agate for HTS
Companies: Agate/HTS | |
| 69 | 148 | Report of the mission to Brazil to advise on settlement projects in the State of Maranhao
Companies: Ministry of Overseas Development/HTS/FAO | F |

BRITISH GUIANA

SURVEY OF THE CANJE RESERVOIR SCHEME

Client: British Guiana/FAO

Finance: UNDP

Companies: MMP/HTS

65	91A	Vol.1. General report	F
	91B	Vol.2. Surveys & mapping	F
	91C	Vol.3. Hydrology	F
	91D	Vol.4. Agriculture	F
	91E	Vol.5. Engineering proposals & estimates	F
	91F	Vol.6. Economic appraisal	F
	91G	Drawings	
	91H	Soil survey	

BRUNEI

LAND CAPABILITY STUDY

Client: Brunei. Commission for Development

Finance: Government of Brunei

Company: HTS

69	139A	Vol.1. Summary	F
	139B	Jilid 1. Rengkesan	F
	139C	Vol.2. Physical resources & development priorities	F
	139D	Vol.3. Map annexure Soil maps. soil survey sites, land classification	

BULGARIA

LITERATURE SEARCH & APPRAISAL OF THE MARINE BIOLOGICAL ENVIRONMENT OF THE BULGARIAN & ADJACENT COASTAL ZONE

Client: British Gas Exploration & Production Ltd

Company: HAR

92 779A Final report

BURKINA FASO

95 855 Satellite Mapping for Gold Exploration, Burkina Faso & Niger
Report May 95

ETUDE D'EVALUATION DE L'IMPACT DES ROUTES RURALES

Client: Burkina Faso. Ministry of Public Works

Finance: International Development Agency

Companies: Halcrow Fox/HTS/Societe Africaine d'Etude et Developpement

78 336 Manual de l'enqueteur F
336A Construction et entretien des routes secondaires: F
premier rapport technique
336D Rapport economique F
336E Rapport final F
336F --- : annexes F

66 128 Cotton production in Upper Volta F
Company: Agricultural Services

BURMA

INVESTIGATIONS OF LANDS WITH DECLINING & STAGNATING PRODUCTIVITY

86	640C	Burma : country report	F
82	507	Paddy I & Paddy II Final Report	F

UMBRELLA PROJECT. GROUNDWATER EXPLORATION & PILOT DEVELOPMENT. PHASE 1.

Client: UNDP/IBRD

Finance: UNDP

Company: GDC

79	431A	Inception report	F
	431B	Quarterly reports June 79-March 80	F
	431C	Training papers. Part 1. Hydrogeology. Part 2. Tubewell irrigation systems & management	F
78	431D	Contract for supply & delivery of drilling rogs & ancillary equipment	F
80	431E	Final report. Vol.1.	F
	431F	---- : Vol.2.	F
	431G	Pilot wells : site selection note	F

GROUNDWATER EXPLORATION & PILOT DEVELOPMENT. PHASE 2

Quarterly reports,

	431H	February 1981	F
	431I	May 1981	F
	431J	No.9.	F
	431K	No.9. Appendix C1. Township agro-economic data tables	F
	431L	No.10	F
	431M	No.11	F
	431N	No.12	F
	431O	No.13	F
	431P	No.14	F
	431R	No.15	F
	431S	No.16	F
	431T	No.17	F
	431U	Feasibility study for tubewell. Vol.1. Main report	F
	431V	---- : Vol.2. Appendices A-F	F
	431W	---- : Vol.3. Appendices G-M	F
	431X	Feasibility study for groundwater irrigation Project 2. Vol.1. Revised main report	F
	431Y	---- : Vol.2. Land resources. Draft	F
	431Z	---- : Vol.3. Groundwater resources. Draft	F
	431AA	---- : Vol.4. Groundwater resources appendices	F
	431AB	---- : Vol.5. Agriculture & economics. Draft	F
	431AC	---- : Vol.6. Agriculture & economics appendices. Draft	F
	431AD	---- : Vol.7. Engineering. Draft	F
	431AE	Report on Phase 2 investigations. Vol.1. Summary. Part 1. General. Part 2. Groundwater resources	F
	431AF	---- : Vol.2. Part 3. Land resources. Part 4. Pilot development . Part 5. Future investigations	F
	431AG	---- : Vol.3. Appendices	

GROUNDWATER EXPLORATION & PILOT DEVELOPMENT SUB-PROJECT

- | | | |
|----|--|---|
| 84 | 431AH Final report. Vol.1. Text | F |
| | 431AI --- : Vol.2. Appendices | F |
| | 431AJ --- : Vol.3. Album of maps | |
| | 431AK Land resources report. Draft | F |
| | 431AL Hydrogeology of area 3. Interim report.Draft | F |
| | 431AM Working paper on construction progress & present utilisation of pilot wells | F |
| 57 | 17 Report on an aerial survey for mineral exploration, Victoria Point | F |
| | 17A Aerial survey for mineral exploration: a study of two selected areas. FICHE ONLY | |
| | Client: Burma | |
| | Company: HGG | |

MINERAL INVESTIGATIONS IN THE NORTHERN SHAN STATES

- | | | |
|----|---|---|
| | Client: Burma Corporation | |
| | Company: HTS | |
| 57 | 11A Report no.1. Phase 2, part 1. Report on geochemical samples supplied by Burma Corp; | F |
| 58 | 11B Report no.2. Interim report on the progress of Phase 1, part 3 & Phase 2, part 1 up to mid January 1958 | F |
| | 11C Report no.3 | F |
| 60 | 11D Report no.4. Geochemical prospecting, 1960 field season | F |
| | N.B. A,B & D bound together at 11A | |

CAMEROON

ASSET VALUATION & CASH FLOW PROJECTIONS FOR PLANTATIONS DE CAMEROUN

Client: Plantations Pamol du Cameroun
Company: HTS/Coopers & Lybrand

- | | | | |
|----|------|--|---|
| 89 | 658A | Final report | F |
| 88 | 649A | Appraisal of plantations Pamol du Cameroun with
recommendations for future development
Client: Plantations Pamol du Cameroun
Company: HTS | F |

CANADA

- | | | | |
|----|-----|---|---|
| 58 | 433 | Hydrological study & report on Junction Creek Sudbury | F |
|----|-----|---|---|

CHAD

AMELIORATION DE L'ALIMENTATION EN EAU POTABLE ET ASSAINISSEMENT DE LA VILLE D'ABECHE

- | | | | |
|----|------|--------------------------|--|
| 86 | 622 | Etude de factibilite | |
| | 622A | " " " Version definitive | |

CHILE

PROGRAMA DESARROLLO INTEGRADO REGIONES SUR DE CHILE

Client: Government of Chile
Company HTS

- | | | | |
|----|------|-------------------------------|--|
| 95 | 860 | Informe de Misi3n | |
| | 860A | Plan Operativo Global 1995-99 | |

ESTUDIO INTEGRAL DE RIEGO DE LOS VALLEES DE ACONCAGUA, PUTAENDO LIGUA Y PETORCA

Client: Chile
Finance: IBRD
Companies: Binnie/CICA/HTS

- | | | | |
|----|------|--|---|
| 79 | 492 | Tomo 1. Informe general resumen y conclusiones general | F |
| 78 | 492A | Convenio. Anexos 1, 3 y 4 | |
| 82 | 492B | Carpeto de planos | |

ESTUDIO INTEGRAL DE RIEGO DE LA CUENCA DEL RIO MATAQUITO

Chile. Cimision Nacional de Riego
Companies: Binnie/CICA/HTS

- | | | | |
|----|------|---|---|
| 78 | 386 | Prefactibilade. Tomo A. Informe general | F |
| | 386A | ---: B. Uso actual del agua | F |
| | 386B | ---: C. Suelos | F |
| | 386C | ---: D. Agronomia | F |
| | 386D | ---: E. Economia | F |
| | 386E | ---: F\1. Hidrologia | F |
| | 386F | ---: F\2. Hidrologia | F |
| | 386G | ---: G. Hidrogeologia | F |
| | 386H | ---: H. Modelo | F |
| | 386I | ---: J. Ingeniera | F |
| | 386J | Carpeta de planos | |

CHINA

YUNNAN ENVIRONMENTAL PROJECT

Client: ODA

Companies: Montgomery Watson/GHK/HTS/Severn Trent Water Inter.

94 847 Inception report Dec.94

Progress Reports

95 847A No.2 Jan 95
847B No.3 Feb 95
847C No.4
847G No 5 Jun.95
847H No.6 Aug. 95
847I No.7 Sept. 95

847D Health & Safety Manual

847E Work Plan No.1 Mar.95

847F Situation, Prospects & Options Report Apr.95

847J Dianchi Environmental Action Plan Sept.95

847K Dianchi Environmental Action Plan Executive Summary Sept.95

STRENGTHENING OF SOIL & WATER CONSERVATION MEASURES IN SICHUAN PROVINCE

Client: EEC

Finance: EEC

Company: HTS

86 596A Report F
87 596B Inception report, project programme & budget 1987\88 F
88 596D Progress report, project programme & budget 1988\89
89 596E Project programme & budget 1989\90 F
90 596F Annual report & budget 1990/91 F
91 596G Project programme & budget 1991-1992
596C Progress report nos 1-3 Feb 1988-Feb90 F
596H Progress report 4 Sept 1991
91 596J Evaluation of quotations for field research/office and laboratory equipment

92 596K Progress report 5 Jul 92
596L Project identification report Jun 92
596M Draft final report: Vol 1 Executive summary
596N Progress report No. 6 Nov.92
596O Final report Vol.1 Executive summary
596P -- -- Vol II Technical annexes working papers

86 599A Soils & reclamation at Ya Nam Farm Xin Hui County Guangdong F
Visit by F. Collier

PROPOSED DEMONSTRATION ANIMAL FARM AT HO LAN SHAN STATE FARM

Client: China. Ningxia Hui Autonomous Region

Companies: BAEC (Binnie/MMP/HTS/Halcrow-ULG/EFG)

79 326A Technical appraisal F

COLOMBIA

CORDOBA NO.2 PROJECT. FEASIBILITY STUDY

Client: Instituto Colombiano de Reforma Agraria

Finance: Ministry of Overseas Development

Companies: HTS/ Urwick Lugg & Gould/Integral Ltda

71	178A	Vol.1. General report	F
	178B	Vol.2. Present situation	F
	178C	Vol.2. Maps	
	178D	Vol.3. Proposed development	F
	178E	Vol.4. Engineering	F
	178F	Vol.5. Market & economic analysis	F
	178G	Vol.6. Project implementation & organisation	F
	178H	Stage 1 report	F
	178I	Plans	F

CONGO

69	137	Photogeological survey of an area in Katanga Metallic Minerals Exploration of Japan Company: HGG	F
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COSTA RICA

Proyecto Fronterizo. Costa Rica-Panama - Zona de Coto Sur

Client : Ministerio de Agricultura y Ganaderia

Companies : Francisco Mas/HTS

	490A	Clasificacion de suelos y evaluacion de la tierra	F
	490	— — — : Maps	F
	490B	— — — : English version; handwritten	

COTE D'IVOIRE

278	Soils of the area between the Waha & Farakwo rivers	F
278A	Etude pedologiques de la region comprise entre les rivieres Waha et Farakwo	F
278B	Maps : land suitability	F
278C	Maps : soils Client: Tate & Lyle Finance: Redpath Sugar Company: HTS	F
74	243 Memorandum on agricultural development Company: HTS	F

DEVELOPPEMENT RURAL DE LA ZONE BLOLEQUIN-ZOUKOUGBOU

Client: Cote d'Ivoire. Ministry of Agriculture

Finance: IBRD

Companies: L.Berger/HTS/SIGES

73	212A	Rapport preliminaire	F
74	212B	Etude d'amengement regional : annexes	F
	212E	--- : Annex A. Etude pedologique	F
	212F	Appendices : Etude pedologique	F
	212G	Cartes: Etude pedologique	F
	212D	Rapport d'etude agriculture	F
67	109	Allen cotton development in northern Cote d'Ivoire: preliminary survey Client: Cote d'Ivoire/Compagnie Francaise pour le Developpement des Fibres Textiles/Institut Recherches du Coton et des Textiles Exotiques Finance: Agricultural Services Company: HTS	F

CYPRUS

PAPHOS IRRIGATION PROJECT

Client: FAO

Finance: FAO/IBRD

Companies: MMP/HTS/Saliba/H.Humphreys

71	198A	Feasibility report. Vol.1. Main report	F
	198B	--- : Vol.2. Part A. Agriculture	F
	198H	--- : Vol.2. Part B. Agriculture	F
	198G	--- : Vol.3. Groundwater	F
	198D	--- : Vol.4. Asprokremmos Dam	F
	198E	--- : Vol.5. Engineering	F
	198F	--- : Vol.6. Economics	F
	198C	Quarterly report no.2	F
69	146	Land use in Cyprus in 1968: study using aerial photographs Client: Min.of the Interior. Dept of Lands and Surveys Finance: Client Company: HTS	F
58	25	Report on pasture research, survey & development Client: Cyprus Finance: Cyprus Company: HTS	F

EGYPT

ESTABLISHMENT OF TRACTOR & MACHINERY HIRE SERVICE CENTRES

Client: Arab Authority for Agricultural Investment & Development

- 93 813 Feasibility Study DRAFT Final Report Jul.93
813A Feasibility Study Final Report Oct.93

MONITORING OF PESTICIDE USAGE

Client: Ministry of Agriculture & Land Reclamation

Finance: Kreditanstalt fur Wiederaufbau

Company : HTS

- 89 698A Main report F
698B Annexes F
A.A. Application of insecticides
A.B. Potential for use of molasses as an additive in insecticide airsprays
A.D. Monitoring of cholinesterase inhibition
90 698C Hazards to the environment F
90 698D Monitoring of pesticide usage in irrigated crops Phase 2-1990

The Development of Integrated Pest Management in Cotton

- 91 698E Development of integrated pest management in cotton 91to 92
Annual report 91
92 698F Cotton development programme Annual report 1992
93 698G Cotton Development Programme Annual Report 1993
698H The Introduction of Integrated Pest Management in Cotton 1991-1994
Annual Report
94 698I The Introduction of Integrated Pest Management in Cotton 1991-1994
Final Report Nov.94
698J The Introduction of Integrated Pest Management in cotton 1991-94
Annex to the Final report Nov. 94 (Cholinesterase Monitoring & Economic
Appraisal)
95 698K The Introduction of Integrated Pest Management in Cotton
Annual Report Oct.95
92 698L Appraisal Mission Report

GREATER CAIRO WASTEWATER PROJECT Sludge Management Study

Client: Min. Reconstruction, New Communities, Housing & Utilities

Company: AMBRIC

- 89 691A First report

AGRICULTURAL INPUTS

Finance: Kreditanstalt fur Wiederaufbau

Company: HTS

- 88 651A Appraisal study F

**CO-ORDINATED DEVELOPMENT OF AREAS WEST OF THE NOUBARIA
CANAL IRRIGATION-DRAINAGE REHABILITATION OF THE MECHANISED
FARM**

Client: FAO
Finance: UNDP
Companies: MMP/HTS

79	392E	Inception report	F
80	392F	Vol.1. Main report	F
	392G	Vol.2. Annex 1. Soils Annex 2. Agriculture	F
	392H	Vol.3. Annex 3. Engineering	F
	392I	Vol.4. Annex 4. Economics	F
	392J	Drawings	
	392K	Report on the Mechanised Farm soil survey	F

Rehabilitation & Settlement Project (Mechanised Farm Area)

	392L	Project preparation report. Vol.1. Main report	F
	392M	--- : Vol.2. Annexes	F
		A.1. Agriculture	
		A.2. Engineering	
		A.3. Infrastructure	
		A.4. Public health	
		A.5. Organisation & management	
		A.6. Settlement	
		A.7. Extension & training	
		A.8. Economics	

Working Papers

	392N	A. Social aspects of public health & future requirements	F
	392O	B. Irrigation scheduling	F

**SUEZ CANAL REGION INTEGRATED AGRICULTURAL DEVELOPMENT
STUDY**

Client: Ministry of Development & New Communities
Finance: UNDP
Companies: HTS/Binnie/Ismaoil, Darwish

Special Reports

78	367	1. Initial site selection	F
79	367A	2. Comparative analysis of reclamation experiences	F
	367B	3. Site analysis	F
	367C	3. Site analysis supplementary data	F
	367I	4. (Amended) Alternative strategies & site selection criteria	F
	367D	Maps : land classification	
	367E	Maps : soil site locations	
	367F	Maps : soils	
	367G	Maps : topography	
80	367P	Feasibility report. Vol.1. Summary & main report	F
	367Q	--- : Vol.2. Site analysis	F
	367R	--- : Vol.3. Comparative analysis of reclamation experiences	F
	367S	--- : Vol.4. Agriculture	F
	367T	--- : Vol.5. Organisation, management & supporting services	F
	367U	--- : Vol.6. Capital works	F
	367V	--- : Vol.7. Economics	F
	367Y	--- : Folio : maps & drawings Topography, soils, land classification	F
	367Z	Follow up visit by consultants	

SOUTH HUSSANIYA LAND RECLAMATION SUPPLEMENTARY STUDIES

Client: Min.Dev., New Communities & Land Reclamation

Finance: UNDP

Companies: MMP/HTS

85	578A	Final report	F
	578B	--- : annexes	F
		A.A. Soil data register	
		A.B. Methods of soil analysis & representative profiles	
		A.C. Routine soil analysis	
		A.D. Borehole construction details & borehole lithology	
		A.E. Pumping test data	
		A.F. Operation of the model suit of programs	
	578D	--- : commentary	F
	578C	Progress report no.3	F

ISMAILIA CANAL STUDY

Client: Ministry of Irrigation

Finance: Ministry of Overseas Development

Companies: Binnie/HTS

	323	Recommendations & specifications for further field investigations	
78	323A	Interim report. Vol.1. main report	F
	323B	--- : Vol.2. Appendices	F
	incl.	A.D. Inventory of conditions along canal bank	
		A.E. Geology	
		A.F. Irrigation & drainage	
		A.G. Water quality	
		A.H. New groundwater data	
		A.J. Hydrology	
		A.K. Outline of SCARP tubewell drainage scheme	
		A.L. Bank protection, hydraulic computations	
		A.M. Existing trials on bank protection in Egypt: Nubaraya canal, Suez canal	
		A.N. Crop patterns & budget data	
	323C	--- : Vol.3. Tables & drawings to main report	F
80	323D	Final report. Vol.1. Main report	F
	323E	--- : Vol.2. Appendices	F
		A.A. Canal & main drainage enlargement	
		A.B. Geology & hydrogeology	
		A.C. Seepage	
		A.D. Agriculture	
		A.E. Water quality	
		A.F. Canal lining with grout filled mattresses	
		A.G. Engineering costs	
		A.H. Agricultural economics	
	323F	--- : Vol.3. Field investigations	F
	323G	--- : Vol.4. Borehole logs	F

GREATER CAIRO WASTEWATER PROJECT

Client: Ministry of Housing & Reconstruction

Companies: J.Taylor/Binnie/Abdel-Warith

	473	Appendix B. Agricultural re-use of wastewater: technical report	F
77	473A	Special report no.2. Basic design criteria. Vol.2. Design criteria	F
77	311	Agricultural development potential of Lake Nasser region	F
		Client: Lake Nasser Development Authority	
		Finance: Ministry of Overseas Development	
		Companies: HTS/MMP	

EIRE

62

66 Report on geochemical prospecting in selected parts of
Eire for the Lower Limestone Sydicate
Client: Lower Limestone Syndicate
Company: HTS

F

ETHIOPIA

BARO-AKOBO BASIN MASTER PLAN

- 90 848 Final Report Vol.1 Summary DRAFT
93 848A Data Assessment & Review Vol.1 (Inception Phase)
848B Data Assessment & Review Vol.2 (Inception Phase)

ETHIOPIAN FORESTRY ACTION PLAN (EFAP)

Client: Peoples' Democratic Republic of Ethiopia

Consultant group 1

- 92 783A Vol.I Farm forestry Final report
783B Vol.II Soil & water conservation Final report
783C Vol.III Livestock & fodder production Final report
783D Vol.IV Land use planning Final report
783E Vol.V Review of draft EFAP action programmes in farm forestry Final report
783F Executive summary: A synthesis of the EFAP
783G Background Paper No.5
783H Draft Final Report of Ecosystems Specialist

AMIBARA IRRIGATION SCHEME

Client: Awash Valley Authority

Companies: Halcrow/HTS

- 75 258A Basic gravity scheme: costs & comparison with pumping F
258B Hydropedological studies F
258C Consultants report on reappraisal mission F

ANGELE & BOLHAMO FEASIBILITY STUDY

Client: Awash Valley Authority

Finance: Government of Ethiopia

Companies: Halcrow/HTS/ULG

- 74 251A Interim report : appendices F
251B Preliminary report F
75 251F Summary F
251G Main report F
251H Annex 1. Hydrology F
251I Annex 2. Soils & land classification F
251J Annex 2. Maps F
251K Annex 3. Engineering F
251L Annex 3. Drawings F
251M Annex 4. Agriculture & Livestock F
251N Annex 5. Organisation & management F
251O Annex 6. Economics F

CENTRAL TIGRE DEVELOPMENT STUDY

Client: Ethiopia

Companies: HTS/MMP

Working Papers

- 244B 1. Soils & land classification F
244C 2. Conservation & afforestation F
244D 3. Livestock & range F
244E 5. Hydrogeology-groundwater resources & development F
244F 6. Engineering & hydrology F
244G 7. Markets & marketing F
244H 8. Rural economy, agricultural survey, land tenure & taxation F
244I 9. Population F
244J 10. Development projects F

Phase One

- 75 244L Main report F
244K Maps to accompany Main Report F

	Phase Two	
	244O Main report	F
	244AH Makalle rural development unit plan	F
	244AH --- : map volume	F
	244AC Hauzien rural development unit plan	F
	244AD --- : map volume	F
	244AG Annex 1. Land & vegetation resources	F
	244AG Annex 1. Map volume	F
	244AK Annex 2. Water resources. Vol.1. Hydrology & surface water	F
	244Y Annex 3. Population	F
	244Q Annex 4. Agriculture	F
	244R Annex 5. Livestock & range ecology	F
	244S Annex 6. Forestry	F
	244T Annex 7. Conservation	F
	244U Annex 8. Social organisation	F
	244V Annex 9. Organisation & infrastructure	F
	244W Annex 10. Extension & training	F
	244X Annex 11. The rural economy	
	244N The indicative development programme	F
75	244Z Quiha catchment stabilisation demonstration project	F
	244AA Proposal for a government garage & appropriate technology centre	F
	244AB Agula Valley irrigation improvement scheme	F
76	244AE Material for ODM project document	F
	244AF Illala Valley hand dug wells project	F
	244AJ Consultants report on training for extension services	F
	244AL Draft project implementation document	F
	244AM Swaynes hartebeest : a preliminary study of it's status in Ethiopia & recommendations for future management	F
	244AN Summary	F
74	244AO Report on review of the Tigre project	F
75	244AP Giba Valley range management project	F
	244AR Quiha Catchment stabilisation demonstration project	F
74	239A Tigre water resources development study. Interim report	F
	239B Water development in Tigre region	F
	1. Investigations, studies & documents	
	2. Project proposals	
	3. Implementation	
	Client: Ethiopia/Overseas Development Administration	
	Finance: Overseas Development Administration	
	Companies: HTS/MMP	
72	452 Appraisal of the agricultural impact of the Fifth Ethiopian Highway Project	F
	Company: HTS	
	DEVELOPMENT OF THE LIVESTOCK INDUSTRY	
72	423 Interim report	F

LOWER AWASH VALLEY. FEASIBILITY STUDY

Client: Ethiopia: Awash Valley Authority

Finance: Overseas Development Administration

Companies: A.Gibb/HTS

72	195A	Interim report	F
73	195B	Progress report for 2nd Steering Committee	F
	195C	Final report. Part 1. Main report. Draft	F
	195D	--- : Part 1. Annex 1. Soils & land classification	F
	195E	--- : Annex 2. Climate & hydrology	F
	195F	--- : Annex 3. The Afar people, land tenure & institutions	F
	195G	--- : Annex 4. Agriculture	F
	195H	--- : Annex 5. Engineering	F
	195I	--- : Annex 6. Organisation & management	F
	195J	--- : Annex 7. Economics & financial analysis	F
74	195L	--- : Part 2. incl. Hydrology Geology Seismicity	F
	195K	Supplementary report on flooding in Lower Awash Valley	F
72	194	Investigation of groundwater potential in the Humera project area Client: Ethiopia/TAMS Finance: IBRD Company: HTS	F

MINERAL SURVEY IN TWO SELECTED AREAS. PHOTOLOGICAL STUDY

Client: Ethiopia

Finance: UNDP

Company: HGG

69	143A	Wollega area	F
	143B	Sidamo area	F

EUROPE

SAR RETRIEVAL ALGORITHMS FOR LAND APPLICATIONS (contract 10644/93/NL/NB) GEC-Marconi

- 95 861 HTS Validation of Inversion Algorithms Crop & Soil Moisture Tech. Report
DRAFT
- 95 861A Vol.1 Executive Summary
861B Vol.2 Technical Appendices: Backscatter Model Development
861C Vol.3 Technical Appendices: Retrieval Model Development

THE SUPPLY & TESTING OF EXISTING SEGMENTATION ALGORITHMS, FOR USE IN AGRICULTURAL CONTROL

- 93 857 Final Report Jan 93 revised Feb 93

MARS PROJECT: OPERATION 6.2. PREPARATION OF DOCUMENTS FOR THE FIELD SURVEYS

- 91 766A Final report
- 88 723A Imaging radar applications in Europe: illustrated experimental results (1978-1987),
by M.Wooding F
EEC/ESA

FIJI

WAIDOI ESTATE

Client: R.Smith, Waidoi Estate

Companies: HTS/MMP

70 153 Report on a feasibility study for agricultural development F

NAVUA PRE-INVESTMENT STUDY

Client: Fiji

Finance: Ministry of Overseas Development

Companies: HTS/MMP

69 154A Vol.1. The development plan F

154B Vol.2. Supporting report F

154C Vol.2A. Appendices F

A.1. Climate

A.2. Flood estimation for small rivers

A.3. Soil profile descriptions

A.4. Soil analysis

154E Vol.3. Maps & drawings F

Development plan, soils, land capability, present land use, land tenure,
irrigation & drainage

154D Annexure. Hydro-electric development F

FRANCE

FLOOD MAPPING IN THE CAMARGUE FROM AVHRR SATELLITE IMAGERY

Client: Station Biologique

Company: HTS

91 754A Final report

GABON

75	271	Current situation & development prospects	F
72	262	Report of the UNDP\FAO Forestry Review Mission	F

GAMBIA

UPPER RIVER DIVISION INTEGRATED PROGRAMME

Client:Ministry of Finance & economic affairs

Company:HTS

91	772A	Mid term review mission.Draft report
92	772B	Mid term review mission.Final report

GENERAL

PROVISION OF TECHNICAL EXPERTISE ON ARC/INFO TO THE MTV-TREES PROJECT

Client: JRC Contract No. 4575.91 ED ISP GB

- 92 782A Interim report
- 93 782B Final Report
- 94 782C Vol.1 Final report Jan 94
- 782D Vol.2 Global & Regional GIS Datasets acquired for the Trees Project Jan 94

PROVISION OF HUMAN EXPERTISE ON ARC/INFO GEOGRAPHIC INFORMATION SYSTEM

Contract No 4228-90-12 ED ISP

Client: JRC

Company: HTS

- 91 759A Interim report 1
- 92 759B Final report
- 92 759C Interim report Stage 2 Sept. 92
- 93 759D Final Report Stage 2 May 93

729A Example of integrated applications of Remote Sensing to Hydrology F

- 90 695A Remote sensing as a tool for the operational monitoring
of coastal & estuarine pollution F
Company: HTS

RESUR SATELLITE DATA

Marconi Space Systems

Company: HTS

- 89 680A Market study F
- 679A Description of HTS Remote Sensing & related services F

MICROWAVE INTERACTION WITH THE EARTH'S SURFACE

European Space Agency

Company: HTS

- | | | | |
|----|------|---|---|
| 89 | 673A | Technical report 1. Vegetation growth models | F |
| 89 | 673B | Development planning for vegetation modelling.
Final report | F |
| 90 | 673C | Integration of vegetation models. Final report | F |
| 89 | 739A | Use of satellite data for the preparation of land cover maps & statistics.
Vol.1. Main report, by G.Griffiths & M.Wooding
Client: Dept Environment
Company: NRSC | |
| 89 | 737A | Assessment of the utility of SPOT & Landsat TM data for specified applications.
Sub-project 2C. Study & monitoring of surface mineral workings. Phase 2 work.
Client: Dept Environment
Company: NRSC | |
| 89 | 734A | The potential of meteorological satellite data for monitoring flooding disasters,
by C.Legg
Company: NRSC | |
| 89 | 726A | Collaborative study on the applications of remote sensing techniques to the spatial
& thermal mapping of plumes resulting from the outfall of power station cooling
waters.
Client: Central Electricity Research Laboratory
Company: NRSC | |

NOAA AVHRR (GAC) DATA PROCESSING

ESA.JRC

Company: HTS

- | | | | |
|----|------|---|---|
| 89 | 661A | Interim report No.1. Processing of the first batch of data
(3 months) for Project A & Project B. | F |
|----|------|---|---|

DEVELOPMENT OF ERS-1

Interim Report

- | | | | |
|----|------|--|---|
| 89 | 656A | Report | F |
| 89 | 656B | Appendix 1. Value of ERS-1 data for land applications | F |
| 89 | 656C | Appendix 2. Value of ERS-1 data for maritime applications | F |
| | 656D | Appendices 3-8 | F |
| 85 | 656E | Etude memoire film : note de presentation | F |
| 87 | 656H | Etude de reconnaissance de commercialisation des produits | |
| 89 | 656J | Progress report maritime applications | |
| 89 | 656F | Final report. Draft | |
| | 656G | Final report. Annex. Draft | |
| 88 | 735A | Role of remote sensing in study of tree damage caused by air pollution | F |
| 88 | 730A | Examples of remote sensing applications for local resource planning | F |
| 88 | 689A | Topographic texture analysis of satellite SAR imagery
ODNRI
Companies: HTS/GEC | F |

APPLICATION OF REMOTE SENSING TO LAND USE STUDIES. A STATE OF THE ART REVIEW

- | | | | |
|----|------|----------------------|--|
| 88 | 653A | Supplementary report | |
|----|------|----------------------|--|

**DESIGN & IMPLEMENTATION OF A EUROPEAN RADAR
CROSS SECTION DATABASE**

Companies: HTS/GEC

88	650A	Progress report No.1	F
89	650B	Progress report no.2	F
90	650C	Final report.	F
90	650D	Database manual	F

SIMULATION OF SAR DATA PRODUCTS

European Space Agency

Companies: GEC/HTS/Software Sciences

87	638A	Final report. Vol.1. RDC database. Draft	F
	638B	--- : Vol.2. Simulation tools. Draft	F
	638C	--- : Executive summary	F
	633A	On-site applied remote sensing short course :course prospectus 1987\88 Company: HTS	F

**STUDY ON LAND USE FEATURE DETECTION IN SAR
IMAGES**

Client: European Space Agency

Finance: Client

Companies: HTS/Marconi/RAE

87	624A	Final report : draft	F
	624B	Executive summary : draft	

DRS COMMERCIALISATION STUDY

European Space Agency

Company: HTS

87	623A	Interim report : remote sensing potential	F
	623B	Final report	

AGRISCATT 1987 CAMPAIGN

EEC.JRC

Company: HTS

87	614A	RCS database & data format guide	F
87	614B	Coordination of ground data collection : interim report	F
87	614C	Ground data collection report : winter wheat :Feltwell site	F

SURVEY OF AIRBORNE REMOTE SENSING SYSTEMS

Client: Private

Finance: Private

Company: HTS

87	612A	Interim report	F
87	612B	Final report. Vol.1. Main report	F
	612C	--- : Vol.2. Appendix A. Photographic & video equipment	F
	612D	--- : Vol.3.A.B. Electro optical equipment	F
	612E	--- : Vol.4.A.C. Microwave equipment	F
	612F	--- : Vol.5.A.D. Lidar equipment	F
		A.E. Image processing equipment	
		A.F. Aircraft installations	
		A.G. Navigation systems	

ERS DATA CENTRE

Client: RAE

Finance: Government of UK

Companies: Software Sciences/HTS/Marconi/GEMS/Smith Associates

- | | | | |
|----|------|--|---|
| 86 | 705A | Interim report on user requirements for the ERS-DC products | F |
| 86 | 705B | Report on user requirements for the ERS-DC products
& catalogue revised | F |

INVESTIGATIONS OF LANDS WITH DECLINING & STAGNATING PRODUCTIVITY

FAO

- | | | | |
|----|------|--|---|
| 86 | 640B | Bangladesh : country report | F |
| | 640C | Burma : country report | F |
| | 640D | Laos : country report | F |
| | 640E | Vietnam : country report | F |
| | 640F | Tanzania : agricultural resource evaluation & planning
(for Mwanza & Shinyanga regions) project document | F |
| 87 | 640A | Phase 2 : Tanzania : interim report | F |
| 88 | 640G | --- : final report | F |
| | 640H | --- : land conservation & livestock management
in south east Shinyanga district. Project formulation.
[Part 1. Main volume | F |
| | 640I | --- : Part 2. Annexes | F |
| | 640J | --- : Rice development in the central Mbuga plain
of Mwanza & Shinyanga regions. Phase 1. Pilot project.
Project formulation | F |
| 88 | 640K | --- : Smallholder dairying in Mwanza & Shinyanga regions
project formulation | F |
| 86 | 607A | Development of image processing techniques & application to
satellite SAR data | F |

SPECIFICATIONS OF A WEATHER RADAR SYSTEM FOR AGRICULTURAL APPLICATIONS

Telespazio

Company: HTS

- | | | | |
|----|------|--|---|
| 86 | 605A | Final report. Vol.1. Main report | F |
| | 605B | --- : Vol.2. Appendices | F |
| 87 | 605C | Weather radar system technical specification:request for quotation | F |

ESPRIT PROGRAMME AIR FOCUSING PROJECT. ARTS-IP

- | | | | |
|----|------|---|---|
| 86 | 595A | Technical report No.1. System design study | F |
| 85 | 572A | Potential of SAR 580 radar in land use & agricultural surveys | F |

STUDY OF LAND FEATURE EXTRACTION FROM SAR IMAGES

Client: ESA/ESRIN

Finance: Client

Companies: HTS/GEC

- | | | | |
|----|------|----------------------------------|---|
| 84 | 558A | Progress report No.1. | F |
| | 558B | --- : No.2 | F |
| | 558E | --- : No.2. Second part | F |
| 84 | 558C | Final report. Vol.1. Main report | F |
| | 558D | --- : Vol.2. Bibliography | F |
| | 558F | Executive summary | F |

STUDY OF LAND USE OF SYNTHETIC APERTURE RADAR

Client: ESA/ESTEC

Finance: Client

Companies: HTS/GEC

- | | | | |
|----|------|---|---|
| 84 | 557A | Internal report no.1. SAR analysis of crop state & crop evaluation: an interpreters viewpoint | F |
| | 557B | Progress report no.2 | F |
| 84 | 557C | --- : no.3 | F |
| 84 | 557D | Mid term report | F |
| 84 | 557E | Final report. Vol.1. Main report | F |
| | 557F | --- : Vol.2. Bibliography | F |
| | 557G | Executive summary | F |
| | 557H | Bibliography of the land use, soil moisture, agriculture & forestry applications of active microwave remote sensing | F |

SATELLITE MAPPING STUDY

Client: Japan Petroleum Exploration Co.

Company: HSL

- | | | | |
|----|-----|---|---|
| 83 | 549 | Final report | F |
| 83 | 532 | Model farm approach to desert farming enterprises
Company: HTS | F |

SURVEY OF USER REQUIREMENTS FOR A FUTURE DATA BASE (ESA)

Client: ESA

Finance: ESA

Companies: HTS/Logica

- | | | | |
|----|------|---|---|
| 83 | 517A | Final report | F |
| 83 | 366A | Evaluation of geological data content of SIR-A imagery | F |
| | 366B | --- : executive summary | F |
| | 366C | Progress report on evaluation of geological data content of SIR-A imagery
Department of Industry/Amoco
Companies: HGG/RAE | F |

SAR 580 CAMPAIGN 1981

Client: ESA

Finance: EEC

Company: HTS

- | | | | |
|----|------|---|---|
| 82 | 485 | Operational report by the Campaign Coordinator | F |
| | 485B | Investigators final report. Vol.1. | |
| | 485C | --- : Vol.2. | |
| | 485D | Experiment plan | F |
| 81 | 485E | Communication handbook | F |
| 82 | 485F | Data report | |
| | 450 | Two hundred nautical miles exclusive zone
Company: HS&C | F |
| 81 | 449 | Energy in agriculture
Company: HTS | F |
| 79 | 434 | Proposal for investigating the potential for commercial plantings of promising desert plant species in selected countries
Company: HTS | F |

SEASAT-A EVALUATION OF OVERLAND SAR DATA

Client: RAE/ESA

Finance: Department of Industry/ESA

Companies: HGG/HTS

- | | | | |
|----|------|---|---|
| 78 | 363 | Report 1. Preliminary desk study | F |
| | 363A | Report 2. Preliminary examination of imagery | F |
| | 363B | Report 3. Progress to Aug 79 | F |
| | 363C | Report 4. Progress to Feb 80 | F |
| | 363D | Report 5. SEASAT radargeology of Iceland | F |
| | 363E | Report 6. Overland data content of SAR imagery initial conclusions | F |
| | 363F | Report 7. Progress to Oct 80: land use evaluation | F |
| 76 | 483 | Likely effects of the Oct75 oil price rise on
HS&C business prospects in 1976
Company: HS&C | F |

- | | | | |
|----|------|--|---|
| 76 | 275 | Background informaiton on the potential for single
cell protein for poultry feed in selected developing countries | F |
| | 275A | Addendum
Company: HTS | F |

- | | | | |
|----|----|---|---|
| 76 | 00 | Outline study of data handling & associated problems in HTS | F |
|----|----|---|---|

INVESTIGATION INTO LAND USE IDENTIFICATION

Department of the Environment

Company: HS&C

- | | | | |
|----|------|--------------------------|---|
| 74 | 214A | Report | F |
| | 214B | Annexure | F |
| | 214C | Interim report. Study A. | F |

PROJET SARSAT

Sodeteg

Companies: HGG/BGRM

- | | | | |
|----|------|---|---|
| 73 | 256 | Synthese de l'etude des missions | F |
| 73 | 256A | Report for Task 730: presentation of radar results to users | F |

EARTH RESOURCES SKYLARK ROCKET : COMMERCIAL EVALUATION

Client: Department of Industry

Finance: Government of UK

Company: HTS

- | | | | |
|----|------|---|---|
| | 245A | Report | F |
| | 245B | Annexure supplement to appendix 1. | F |
| 61 | 68 | Photogeology
Company: HTS | F |
| 58 | 28 | Reports on the measurements of dip slopes with
parallax bar & the possible use of Multiplex & Kelsh
instruments, by J. Trevett
1. Measurement of dip slopes from air photographs: progress report
2. Use of Multiplex & Kelsh plotters in photo interpretation: progress report
Company: HTS | F |

GHANA

GHANA FOREST PLANTATIONS PREPARATION PROJECT

Cleint ODA

Company HTS.

- 95 850 Final Report Feb 95 Vol.1 Technical
850A Final Report Vol II Appendices

RURAL FORESTRY PROJECT

Client: Government of Ghana

Financed:IDA

Company:HTS

- 91 760A Inception report of the monitoring & evaluation &
land tenure & legal specialists
760B Monitoring Report 1:Status of the Rural Forestry project

KPONG IRRIGATION PROJECT DETAILED STUDY. PROJECT PREPARATION & DESIGN

Client: Ghana. Irrigation Development Authority

Finance: African Development Bank

Companies: MMP/HTS/Mercer

- 88 610A Inception report F
87 610B Planning report. Main report F
610C --- : Annex 1. Agriculture F
A.2 Irrigation & drainage F
A.3. Infrastructure
610D --- : A.4. Sociology & environmental health F
A.5. Organisation & management
A.6. Agricultural economics
610E --- : A.7. Supplementary soil survey F
88 610F Planning report. Right Bank study. Main report F
610G --- : Annex 1. Supplementary soil survey F
610H --- : A.2. Irrigation & drainage F
A.3. Infrastructure
610I --- : A.4. Sociology & land tenure
A.5. Organisation & management
A.6. Agriculture & economic aspects
89 610J Right Bank Irrigation Project - Extension area Supplementary note F
89 610K Right Bank design report F

Project Preparation Report Right Bank Irrigation Project

- 89 610L Final report
610M --- : Annex 1. Supplementary soil survey F
610N --- : A.1. Album of maps
610P --- : A.2. Irrigation & drainage
A.3. Infrastructure
610R --- : A.4. Sociology, land tenure & environmental health
A.5. Organisation & Management
A.6. Agriculture & economic aspects
89 610S Left Bank Irrigation Project. Supplementary report. F

UPPER REGION AGRICULTURAL DEVELOPMENT PROGRAMME

Client: Ghana

Finance: IBRD/Overseas development Administration

Company: HTS

- 80 436 Annex 8. Review of the central planning, monitoring
evaluation department F

ACCRA PLAINS IRRIGATION FEASIBILITY UPDATE

Client: Ghana. Volta River Authority

Company: Kaiser

65	550F Irrigation of the Accra Plains : summary of report	F
80	550G Interim report	F
81	550A Final report	F
	550B --- : executive summary	F
	550C Vol.1.	F
	550D Vol.2.	F
	550E Vol.3. Drawings	
64	370 Survey of the Bui hydro electric project area Ghana. Survey Divisions Company: HSL	
60	43 Report on apilot survey for agricultural census in north Ghana Client: Ghana. Ministry of Food & Agriculture Company: HTS	F

GREECE

LAND RESTORATION AFTER MINING

- 80 744A Technical notes on a visit to the lignite mine at Megalopolous
by F. Collier

SKOUPEIKA IRRIGATION PROJECT FEASIBILITY REPORT

Client: Greece
Finance: OECD
Companies: HTS/MMP

- 73 252J Preliminary report F
74 252A Vol.1. Main report F
252B Vol.2. Groundwater resources F
252C Vol.2. Groundwater resources : annex F
252D Vol.3. Surface water resources F
252E Vol.4. Agriculture & agricultural economics F
252F Vol.5. Engineering F
252G Vol.6A. Skoupeika dam F
252I Vol.6B. Fonissa dam F
252H Summary F
252 Feasibility report Vol VI A F

REGIONAL DEVELOPMENT PROJECT OF THE SALONIKA PLAIN

Client: Greece. Ministry of Agriculture
Finance: Greece/OECD
Companies: NEDECO/Grontmij/HTS/Raikis

- 70 161A Vol.A. General report : summary of conclusion & recommendations F
161B Vol.B. Geology, climate & hydrology F
161C --- : Appendices F
161D --- : maps F
161E Vol.C. Soils, irrigation, drainage & agriculture F
161F --- : Appendix C1 F
161G --- : Maps F
161H --- : Appendix C2 F
161I --- : Appendices C3 & c4 F
161J Vol.D. The plan for development F

GRENADA

- 71 179 Agricultural credit F
Client: Grenada
Companies: HTS/Overseas Development Administration

GUYANA

- 68 129 Appraisal of schemes for land development & land improvements F
on the coastline of Guyana
Ministry of Overseas Development
Company: Halcrow

INDIA

SINGRAULIA DEVELOPMENT & ENVIRONMENTAL STRATEGY

Client:Min. of Urban Dev. Government of India

Financed:IBRD/ODA

Companies:HTS/GHK.MRM International/Tata Economic

- 93 814 Inception Report May 93
814A Institutional issues & Options DRAFT Report for discussion Jun 93
814B Region's situation & prospects Appendices Vol.2 Jun 93
814C Regions situation & prospects -- -- - 1 - -
814D -- -- - -- Main Report Jun.93
814E Displaced Peoples Action Plan Nov.93 DRAFT
814F Strengthening the Regional Administration Report DRAFT
- 94 814G Immediate Action Programme Aug.94 Report
814H " " " " " Appendices
814I Strengthening the Regional Administration
814J Development & Environmental Strategy Report
814K " " " " Appendices
814L " " " " Appendix K SEE CHRIS C.
814M Public Summary Report
814N Displaced Peoples Action Plan
814O Agency Specific Action Plans
- 87 627A Tribeni tissues pollution study F
Agrisystems (Overseas)
Company: HTS

AFFORESTATION, SOIL & WATER CONSERVATION IN UTTAR PRADESH & WEST BENGAL

Client: Comite European des Bureaux d'Ingenierie

Finance: EEc

Company: HTS

- 85 584A Monitoring & evaluation report : final report F

INTEGRATED WATERSHED MANAGEMENT PROGRAMME IN RAVINOUS AREA OF CHAMBAL CATCHMENT

Client: CEBI

Finance: EEC

Company: HTS

- 85 585A Monitoring & evaluation report : final report F

AFFORESTATION OF RAVINES IN UTTAR PRADESH

Client: CEBI

Finance: EEC

Company: HTS

- 85 586A Monitoring & evaluation report : final report F

- 63 71 Report on a photogeological study of the east Bokaro coalfield F

Client: National Coal Board

Company: HTS

- 61 57 Report on the Suria & Sonsi iron ore concession, Goa F

Client: Mackay & Schellman

Company: HTS

- 54 159 Aeromagnetic survey of the Brahmaputra Valley F

Upper Assam 1953-54

Client: Assam Oil Company

Company: HGG

INDONESIA

TECHNICAL ASSISTANCE SERVICES FOR IDENTIFICATION OF TRANSPORT, TRADE & OTHER CONSTRAINTS IMPEDING INCOME GROWTH IN POOR RURAL COMMUNITIES

94 843 Inception Report

Site Visits

95 843A Mid-term report West Java & South Sumatera

843B South Sulawesi

843C West Kalimantan

843D Nusa Tenggara Timur (Flores Island)

843E Final Report DRAFT

843F Executive Summary

843G Final Main Report May 95

NORTH LAMPUNG SURVEYS

94 840 Reconnaissance survey to assess the suitability of proposed sites for Oil Palm Plantations by D.A.Holmes

IBRD KABUPATEN ROADS PROJECT

94 839 A Key to the RePPPOT land systems Environmental Study Report

INDONESIA-MALAYSIA-THAILAND GROWTH TRIANGLE DEVELOPMENT STUDY

837 Agriculture & Fisheries Sector Draft final report by Keith Ward

Main sector report

Detailed policy & project profiles

Appendix to main sector report

INTEGRATED WATER RESOURCES IN FLORES ISLAND

ADB TA NO.1766-INO

Client: ADB

Companies: Binnies/HTS/PT Indah Karya/PTMulti Tehniktama

93 818 Final Inception Report Sept.93

MADURA GROUNDWATER IRRIGATION PROJECT PHASE III EXTENSION

Client: Directorate General of Water Resources Dev.

Companies: HTS/GDC/Indec & Associates

93 817 Main Report Final report - Vol.1 Dec.93

817A Final Report Vol. 2 Annex 1 Technical

817B -- -- - 3 -- II Mechanical Training

817C -- -- - 4 -- III Hand-Over Guidelines

817D -- -- - 5 -- IV Training for Trainers

817E -- -- - 6 Supplement No.1 Results of Experimental Garden

817F Final Report Vol.7 Proceedings of the workshop on women
& Irrigated Agriculture in Madura JUL.28-29 92

817G Petunjuk Serah Terima Camat Kecamatan Modung

817H -- -- -- -- -- Saronggi

817J -- -- -- -- -- Larangan

TECHNICAL ASSISTANCE TO BAPPENAS FOR THE INTEGRATION OF MACRO, SECTORAL & SPATIAL PLANNING IN PJPII & REPELITA VI

Client: National Development Planning Agency

Company: HTS

93 816 Reports of the Regional Land Development Consultant
C.J.Hatten Sept.93

**SOUTHERN SUMATRA WATER RESOURCES DEVELOPMENT PROJECT
TULANG BAWANG IRRIGATION FEASIBILITY STUDIES**

(EEC No.ALA/84/11)

Client:Ministry of Public Works

Companies:Binnies/HTS/Danish Hydraulic inst./PT.Indec/PT Raya Konsult/

PT Exsa International/PT Multi Tecniktama

- 93 797 Initial report Vol II Appendix B Terms of Reference
797A Initial report Vol I Main report

Quarterly reports

- 797B No.1 Jan - Mar.93
797C No.2 Apr.-Jun.93
797D No.3 Jul.-Sept.93
94 797F No.4 Oct.-Dec.93

797E Overseas Training on Water Resources & Aquaculture
in the UK. Sept.-Nov 93

797V Reconnaissance Survey of the Western Tulang Bawang Swamps

FINAL REPORTS

- 797G Vol.1 Executive Summary
797H Vol.2 Feasibility studies for 5 sample quick yielding schemes
797I Vol.3 " " " of additional quick yielding schemes
797J Vol.4 " " " of Way Pedada scheme
797K Vol.5 Project preparation for quick yielding scheme development
797L Vol.6 Environmental impact analysis (ANDAL)
797M Vol.7 Annex A T.O.R. for present studies
B Survey & mapping
797N Vol.8 C Soils & land capability
797O Vol.9 D Hydrology
E Flood drainage model
797P Vol.10 F Geotechnical Investigations
G Inventory & engineering data bases
H Reservoir headworks outline design
797Q Vol.11 I Agricultural data
797R Vol.12 J Pre-feasibility studies
797S Vol.13 K Livestock
L Irrigation & drainage development costs
M Economic & financial aspects
797T Vol.14 N T.O.R. for project implementation consultancies
797U Vol 15 Technical reports

AGRICULTURE SECTOR POLICY FORMULATION PROJECT

Client:BAPPENAS

Company:HTS

- 92 777A Agricultural sector policy framework

**PREPARATION OF THE CIMANUK WATERSHED MANAGEMENT
& CONSERVATION PROJECT**

Client: Directorate General of the Reforestation &
Land Rehabilitation

- 91 768A Inception report
92 768B Interim report
768C Preliminary environmental assessment
768D Terms of reference:Cipeles sub watershed
Cilutung sub watershed,Chimanuk watershed coastal area
768E Final report Vol.1 project background
768F Final report Vol 2 project preparation report
768G Appendices
768H Revised Project Proposal (Component B) Sept 92

MARGINAL FARMER COMMUNITY DEVELOPMENT

Client: Agency for Agricultural Research & Development

Companies:HTS/PT Tricon Jaya

- 91 767A Phase 1 report
- 767B - - - : maps
- 92 767C Wilayah Gunung Mas Kalimantan Tengah Final Report
Vol.IIc Draft
- 767D Amdal Environmental Report Final Report
Vol.III Draft
- 92 767E Final report Vol.1 :Executive Summary, Findings &
Recommendations
- 767F Final report Vol.IIa:Garut Selatan Jawa Barat + DRAFT
- 767G Final report Vol.IIb:Sumba Timur Nusa Tenggara Timur DRAFT
- 767H " " " IIc:Wilayah Gunung Mas Kalimantan Tengah
- 767I " " " IIId:Aceh Barat D.I.Aceh
- 767J Final report Vol.III:AMDAL Environmental report

STRENGTHENING PBME IN DGWRD TECHNICAL ASSISTANCE

Client: Directorate General Water Resources Development

Company: Binnie

- 91 757A Inception report
- 757B Phases I & II Review of M & E system in DGWRD and
suggestions for testing improvements. Rough Draft.
- 757C Appendix A
Appendix B Monitoring and evaluation activities
Appendix C Budget estimates
Appendix D Statement of policies for irrigation
operation and maintenance 1987
Appendix E Glossary and definition of key concepts
concerning O & M
Appendix F Pris suggestions for improving M&E activities
Appendix G Distribution of O&M tasks between District/Sub
district offices and field staff
Appendix H Sample frame for crop cutting,Java Province
for the 1991/1992 year

SAWANGAN RESORT COASTAL & BEACH PACKAGE

- 91 750A Preliminary design

TREE CROPS SMALLHOLDER DEVELOPMENT PROJECT

Finance: ADB

Companies: Harrison Fleming/HTS/Agrindo Aneka

Final report

- | | | | |
|----|------|---|---|
| 91 | 745A | Vol.1. Main report | F |
| | 745B | Vol.2. Appendices | F |
| | | incl. A.2. Technology of rubber growing | |
| | | A.3. Technology of coconut growing | |
| | 745C | Vol.3. Initial environmental assessment. Draft | |
| | 745D | Vol.4. Prefeasibility supplementary report identification & evaluation. Draft | |
| | 745E | Vol.5. Prefeasibility supplementary report preliminary economic analysis | |
| | 745F | Vol.6. Socio-economic survey | |
| 91 | 745G | Environmental management plan (RKL) for Kalimantan rubber component | |

SECOND LAND RESOURCES & EVALUATION & PLANNING PROJECT

Client: National Agency for Co-ordination of Survey

Finance: ADB

- | | | | |
|----|------|-----------------------------|---|
| 90 | 711A | Interim report | F |
| | 711B | Interim report : appendices | |

Feasibility study & technical appendices

- | | | | |
|----|------|--|---|
| 90 | 711C | Main report. | F |
| | 711D | 1. Background, the planning framework, bilateral assistance in LREP 11 area, terms of reference | |
| | 711E | 2. Basic data: topographic & land resources data | |
| | | Annex 2.1. Provincial priority areas for semi detailed planning | |
| | | A.2.2. CSAR soils laboratory equipment glassware & chemicals | |
| | 711F | 2. A.2.3. Specimen bid documents & contracts for aerial photography & radar imagery | F |
| | 711G | 2. A.2.4. Catalogue (inventory) of maps, air photographs, radar & satellite imagery | F |
| | 711H | 3. Data processing & data characteristics for a geographic land resources information system | F |
| | 711J | 4. Institutions, management & training | F |
| | 711K | 5. Design of proposed project: basic economic data - Indonesia & economic profiles of 15 LREP 11 provinces | F |
| | 711L | 6. Civil works | F |
| | 711M | 7. Glossary of acronyms & technical terms | F |

- | | | | |
|-----|--|--|--|
| 687 | Project Planning & Evaluation Procedure Final Report Planning Systems Manual
Vol II Jan 88
Public Administration Service
Ministry of Public works | | |
|-----|--|--|--|

REGIONAL FOREST MANAGEMENT INFORMATION SYSTEM

Client: Indonesia. Ministry of Forestry

Company: UK Remote Sensing Technology Seminar Team.

- | | | | |
|----|------|--|--|
| 89 | 671A | Project identification document. Draft | |
|----|------|--|--|

PHASE 2 & PHASE 3A STUDIES. TRANSMIGRATION SETTLEMENT DEVELOPMENT PACKAGE E2, EAST KALIMANTAN

Client: Ministry of Transmigration. Directorate General of Settlement Preparation

Companies: PT Trans Intra Asia/Trans Asia Engineering

- 88 662A Final Phase 2A report (report C) F
E2\2 Malinau-Apas
E2\3 Nunukan-Sebatik
E2\4 Mandul

AIR MURING-KETAHUN RUBBER/COCOA DEVELOPMENT AREA, BENGKULU UTARA-BENGKULU

P.T. Tatar Anya

Company: HTS

- 89 659A Land suitability appraisal study F

ACEH PROVINCIAL IRRIGATION PROJECT : 3rd IRRIGATION SECTOR PROJECT

Client: Min. of Public Works. Dir. Gen. Water Resources

Finance: ADB

Companies: Binnie/HTS/Indah Karya/Virama Karay

- 88 654A Report on agricultural soils of 12 west coast schemes. DRAFT
89 654C Report of the Senior Agriculturalist
90 654D Brief project review & technical proposal for additional consultant staff inputs
89 654E Construction supervision : concrete : check list for supervisors,
also version in Bahasa Indonesia
89 654F Soils report on Phase 2 sub-projects
89 654G Comprehensive training programme. Draft
90 654H 'On the job' detailed training programme 1990-91
90 654K Problems encountered & proposals for solution F
90 654M Mission report of legal specialist to Aceh Provincial
Irrigation Project. Vol. 1.
654AE Model concept for promotion of water-using farmers utilising the community
organiser in the special territory of Aceh
90 654N Contoh konsep peraturan daerah propinsi istimewa Aceh
nomor ... tahun 19... tentang irigasi
90 654O Contoh konsep peraturan daerah propinsi daerah
istimewa Aceh nomor ... tahun... tentang pembentukan,
susunan organisasi dan tata kerja dinas pekerjaan umum
pengairan propinsi daerah istimewa Aceh
654P Contoh konsep keputusan gubernur kepala daerah
istimewa Aceh nomor .. tentang penyempurnaan susunan
organisasi dan tata kerja sub dinas pu pengairan dan
cabang dinas pu pengairan pada dinas pekerjaan umum
propinsi daerah istimewa Aceh. Alternatif 2

Monthly reports

654J May-Nov 90

654T Jan-Jun 91

654V Jul-Aug 91

654X Sept 91

654Y Oct 91

654L Annual report 1989/90 F

654W Annual Report year up to May 1991

654S Construction progress report Dec 90, Jan-Jun 91

Progress Statements

- 654B May-Sept 88
- 654R 1 Jul- 30 Sept.90
- 654U Jan-Mar, Apr-Jun91
- 654Z 1 Jul- 30 Sept.91
- 92 654AA 1 Jan-31 March 92
- 92 654AE 1Apr.-30 Jun.
- 92 654AB 1July-30 Sept.
- 92 654AC 1 Oct.-31 Dec.
- 93 654AD 1Jan.-30 Apr.
- 654AF 1 Jul - 30 Sept 94

F

SOUTHERN SUMATRA WATER RESOURCES DEVELOPMENT TULANG BAWANG AND MESUJI BASINS MASTER PLAN STUDY

Client: Indonesia. Ministry of Public Works

Finance: Directorate General of Water Resources Development

Companies: Binnie/HTS/Dangroup/Danish Hydraulic Institute/
Pt Raya Konsult/PT Exsa Int

- 89 643AB Final report annexes & technical reports: index
- 643A Main report
- 643B Executive summary
- 643C Ringkasan utama
- 643D Maps:Land Use association
 - Land status
 - Land suitability
 - Administrative boundaries & population
 - Flood hazard & Drainage potential
 - Irrigation & swamp development
 - Master plan development
 - Current environment status

Annexes

- 643E A. Hydrology
- 643F B. Land classification
- 643G C. Environment
- 643H D. Sociology
- 643J E. Agriculture
- 643K F. Aquaculture
- 643L G. Irrigation & drainage engineering
- 643M H. Hydropower & dams
- 643N J. Hydrogeology & water supply
- 643P K. Transport & communications
- 643R L. Economics
- 643S M1. Individual schemes prefeasibility studies
- 643T M2. Mesuji basin reclamation & irrigation scheme studies
- 643U N. Maps
- 643V P. Terms of reference for feasibility studies

Technical reports

- 643W 1. Digital classification of Tulang Bawang basin imagery
- 643X 2. Water use simulation in basin master planning
- 643Y 3. Crop marketing issues
- 643Z 4. Outline design & costing methodology for irrigation & drainage schemes

Discussion paper

- 89 643AA Irrigation & swamp reclamation potential in Mesuji basin

Quarterly reports

- 643AC Fourth Feb89

**SOUTHERN SUMATRA WATER RESOURCES DEVELOPMENT
TULANG BAWANG RIVER BASIN MASTER PLAN STUDY**

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.

Finance: EEC

Companies: Binnie/HTS/Danish Hydrological Inst./Dangroup

- 88 643AD Inception report
89 643AE Final report. Draft
643AF Final report. Maps. Draft
643AG Annex B. Land classification. Draft
643AH Annex G. Irrigation & drainage engineering. Draft
643AM Annex M. Individual schemes prefeasibility studies.D.
643AN Technical report 2. Water use simulation in basin master planning. Draft

Seminar reports

- 643AP 1. Aquaculture in Tulang Bawang basin
4. Aspects of agriculture in the Tulang Bawang basin
5. Water use simulation in river basin master planning
6. Transport planning in Tulang Bawang basin
7. The need for integrated environmental planning in Tulang Bawang basin
8. Economic analysis of irrigation projects

Quarterly reports

643AW 1st, 3rd May, December 1988

643AX Also AR,AS,AT,AU,AV not used

WEST JAVA NES TEA REHABILITATION PROJECT

Client: Indonesia

Finance: Asian Development Bank

Companies: Amex/HTS/PT Summa Intrnational

- 87 641A Inception report F
641B Interim report F
641D Financial situation during the last three years: restricted appendix F
88 641C Final report. Vol.1. Main report F
641E --- : Vol.2. Individual sub-projects F
641F --- : Vol.3. Appendices F
641G --- : Vol.4. Land survey F

URBAN 4 DEVELOPMENT PROJECT. MAPPING COMPONENT

Client: Directorate General of Agrarian Affairs

Finance: IBRD

Company: HSL

Quarterly reports

- 636M Dec83; Mar84
636H Mar, Oct85 F
636B Sept 1986; Mar 87 F
636D Mar, Jun, Oct 88; Mar 87 F
82 636R Technical reports F
R511 Inception report
R5110 Photomapping cost analysis
R5110A Relative merits of two alternative photo coverages
R5111 Time & reosurces study: 46 cities of Java
R112 Discussion paper on tying large scale photomaps to UTM grid
R122 Film annotation
R123 Guidance notes for monitoring & evaluation of aerial photography
R124 Report on the projected funds required for mapping 100 cities
R125 Bid evaluation report-aerial photography-Java
R126 Proposal & estimates for Sumatra Bali & West Nusa Tenggara

87	636A	Project completion report	F
88	636E	Digital mapping: an assessment of the relevance of digital mapping techniques for urban mapping & land information systems, by J. Leatherdale	F
88	636F	Land registration & the multipurpose cadastre: an assessment of the Indonesian approach to registration of rights in land, with special reference to urban mapping & land information systems	F
	636J	Aerial photography	F
	636K	Aerial triangulation	F
	636S	Recommended minimum staff requirements & their duties according to regional & zonal responsibility	F
87	636C	Urban mapping dissemination & fiscal cadaster production project. 1:1000 scale line mapping 47 towns in Java & Bali. Inception report	F
89	636T	Urban mapping dissemination & fiscal cadaster production project: Final report	F
	636U	Also N, P, G, L not used	

IRRIGATION SUB-SECTOR LOAN PROJECT

Client:Min.Public Works.Dir.Gen.of Water Resources.Dev.

87	632A	Project presentation	F
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PEST MANAGEMENT

86	591A	Inception Report	F
	591B	Mid-input report	F
	591C	Final Report	F
	591D	Selective, safe efficient pesticide application by P. Beeden	

TARUSAN IRRIGATION PROJECT

86	587A	Photographic record of field trip	
	587B	Semi-detailed development study Vol.1 Main report	F
	587C	" " " Vol 2 Annex A Hydrology	F
	587E	" " " Vol.4 A.C. Agriculture	F
	587F	" " " Vol 5 A.D. Engineering A.E. Economics	F
85	587G	Review of existing survey & mapping data with recommendations & survey specifications. DRAFT	F

SOUTH BENGKULU OILPALM PROJECT

85	579A	Preliminary appraisal for the selection of a 50,000ha soil survey area	F
	579B	Photographic record reconnaissance field trip to South Bengkulu	
86	579C	Report on air photo-interpretation studies & review on previous work for the selection of the soil survey area.	F
	579D	Soil survey & land use planning	F
	579E	Visit report by Agricsystems	

ACEH DESIGN UNIT

Client: Indonesia. Ministry of Public Works

Finance: Overseas Development Administration

Companies: Binnie/HTS/HSL

Quarterly Reports

	561C	Nos 1-6, Dec 83-Dec 84	F
	561L	Nos 5-6, Mar, Sept85	F
	561T	Stage 2 Nos 1-3, Mar-Sept 86	F
	561AC	---- : Nos 4-6, Jan-Sept 87	F

Annual Reports

84	561A	(No.1)	F
85	561J	No.2. Draft	F
87	561AB	Stage 2. No.1.	F
83	561B	Inception report	F
84	561D	Training report no.1.	F
85	561P	Stage 1. training seminars	F
86	561S	---- : final report	F
85	561V	Development of on-farm water management: training seminar no.9	F
84	561F	Operation & maintenance existing practices report. Draft preliminary report	F
84	561G	Review of the provincial hydrological network	F
85	561H	Report on soil correlation visits to Panga Pucuk, Teumon, Kab, Aceh Barat & Beutong Bakongan, Kab Aceh Selatan	F
86	561K	Reconnaissance study of water resources in the Kr Peusangan river basin	F
86	561W	---- : in the Seunagan Basin	F
	561X	---- : ---- : maps 1-6	F
85	561U	Farmer motivation to double cropping of rice: west coast irrigation schemes. Draft	F
87	561AD	Farmer attitudes & participation in rice growing areas of D.I. Aceh	F
87	561AE	Agricultural baseline survey Kr Jreue pilot irrigation area	F
89	561AN	Organisation & development of training in D.I. Aceh: establishment of a training department. Draft	
88	561AJ	Stage 2. Final report	F
88	561AP	---- : Review	F
87	561Y	3rd irrigation sector study. Feasibility study of five schemes (Panga Pucuk, Tangan Tangan, Babah Rote, Paya Dapur & Beuracan). Report.Draft	F
	561Z	---- : appendices	F
87	561AH	---- : project preparation report	
	561AK	---- : progress statement May-Jul, Aug-Oct 88,-Nov 88-Jan 89	F
84	561E	Provincial water resources development plan & inventory of water resources schemes. Draft preliminary report	
86	561M	---- : Vol.1. Summary	F
	561N	---- : Vol.2. Existing situation	F
	561O	---- : Vol.3. Provincial plan	F
	561R	---- : Vol.4. Inventory	F
	561AA	---- : Vol.5. Maps	F
88	561AF	---- : update 1988. Main report	F
	561AG	---- : ---- : Appendices Also AL,AM not used	

PTP XII: NUCLEUS ESTATES\SMALLHOLDERS RUBBER DEVELOPMENT

Client: Min.of Agriculture.Directorate General of Estates

Company: HTS

- 84 559A Report : revised draft F
- 85 536 Checklist of data requirements by institution Tree Crops dev. project
FAO-WB Manpower mission
- 536A The Major Tree Crops: A Sector Review Document of the World Bank

NUCLEUS ESTATES & SMALLHOLDER COTTON PROJECT IN SOUTH SULAWESI

Client: Indonesia. Directorate General of Estates

Finance: Asian Development Bank

Companies: British Cotton Growing Association/HTS

- 83 528 Price stabilisation scheme, by P. Morrissey F
- 528D Cotton agronomy & crop protection studies. Draft interim report F
- 528E Drip irrigation : working paper F
- 528B Farmers organisation study. Final report. Vol.1.Existing situation & alternative future strategies F
- 528C - - - : Vol.2. Cotton growers co-operatives pilot project implementation F
- 84 528F Insurance & risk management F
- 84 528G Nusa Tenggara Cotton Development Project: report on cotton consultancy visit to P.T. Perkebuna XXVII-Lombok F
- 528H Annual report 1983\84 F
- 84 528I Progress report F

LAND EVALUATION SURVEY FOR OIL PALM IN BENGKALIS BARAT LAUT

Client: Anglo Indonesian Corp.

Company: HTS

- 82 522 Provisional report F
- 522A Land suitability for oil palm development F
- 522B - - - : report for Riau Provisional Government F

IRRIGATION & FLOOD CONTROL PROJECT,ARAKUNDO-JAMBO AYE

Client: Min.of Public Works.Dir.Gen.Water Resources Dev.

Companies: Rendell Parkman/PT Indon Karya

- 82 513 Annex 2. Agriculture. Final draft
- 83 513A Feasibility study. Final report. Vol.5. Annex 6.Soils & land use. No paper copy F
- 83 513B - - - : Vol.5. A.6. Soils & land use: text & appendices A & B F
- 513C - - - : Appendices C-I F

GREATER YOGYAKARTA GROUNDWATER RESOURCES STUDY

Client: Min.of Public Works.Dir.Gen.of Water Resources Dev.

Companies: MMP/Binnie/HTS

Monthly Reports

- 508C Nos 6-8,11-15 Mar-May, Aug-Dec 83 F
- 508F Nos 16-18,21,23-26 Jan-Mar,Jun, Aug-Dec 84 F
- 508AD Nos 27-30, Jan-Apr 85 F
- 508AH Nos 31-34, May-Aug 85 F
- 508AF Nos 36-40, Oct 85-Feb 86 F

Technical Reports

- 83 508B 1. Telaga fisheries
- 508D 2. Soils studies
- 508H 4. non-agricultural water demand
- 508I 5. Agriculture & farm economics
- 85 508AG 9. Gunung Sewu water supplies proposed sources F

83	508A	Inception report	F
83	508G	Interim report	F
84	508K	Project presentation	F
84	508L	Vol.1. Main report	F
	508M	Vol.2. Hydrology	F
	508AE	Vol.2A. Gunung Kidul Project monitoring data	F
	508N	Vol.3. Groundwater	F
	508O	Vol.3A. Groundwater appendices 3B. Drilling	F
	508R	Vol.3C. Cave survey	F
	508S	Vol.4. Soils	F
	508T	Vol.5. Agriculture & farm economics 6. Fisheries	F
	508V	Vol.7. Non-agricultural water demand	F
	508W	Vol.8. Water supply	F
	508X	Vol.8A. Engineering appendices	F
	508Y	Vol.9. Irrigation 10. Institutional aspects of Gunung Kidul project	F
	508AA	Vol.11. Gunung Kidul Project monitoring analysis 12. Economics	F
	508AC	Vol.13. Album of maps & drawings	

AIR LAIS IRRIGATION PROJECT

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.

Companies: Binnie/HTS

81	496	Feasibility study. Vol.1. Main report	F
	496A	--- : Vol.2. Annex A. Meteorology & hydrology A.B. Headworks	F
	496B	--- : Vol.3. A.C. Irrigation A.D. Survey	F
	496C	--- : Vol.4.A.E. Land evaluation A.F. Agriculture A.G. Economics	F
	496D	--- : Vol.5. A.H. Socio-economics & social survey work A.I. Infrastructure	F

AIR SELUMA IRRIGATION PROJECT

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.

Companies: Binnie/HTS

81	495	Feasibility study. Vol.1. Main report	F
	495A	--- : Vol.2. Annex A. Meteorology & hydrology A.B. Headworks	F
	495B	--- : Vol.3. A.C. Irrigation & drainage A.D. Survey	F
	495C	--- : Vol.4. A.E. Land evaluation A.F. Agriculture A.G. Economics	F
	495D	--- : Vol.5. A.H. Socio-economics & social survey work A.I. Infrastructure	F
	495E	Second Interim Report	

BINA PROGRAM

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.

Companies: Binnie/HTS

Monthly reports

474AF May 1986

474AH January 1988

Quarterly Reports

474B 1. October 1981; 2. Oct 81-Jan 82

474Y 3. Jan- April 1982; 5. Nov 82-Jan 83

474Z 6-8. Jan 1983-Jan 1984

F

F

F

Annual reports

82 474E 1st

83 474L 2nd

F

F

Guidelines

82 474G BP1 Preparation of invitation documents for studies of water resources projects. 4th draft

83 474C BP2 Evaluation of study activities
BP3 Appraisal & evaluation of projects on the basis of completed studies. 5th Draft

83 474F BP2 & BP3 supplement : sample reports title lists

84 474AK BP2, BP3, BP2A Guidelines for the appraisal of water resources studies projects

F

84 474P BP2A Studies for water resources projects

F

84 474I BP4 Land evaluation for water resources studies in Indonesia

F

84 474N BP4A - - - : appendix. Water requirements for sawah land preparation

F

83 474K BP5 Design floods for an irrigation weir in Indonesia:
an example from the outer islands 1st draft

84 474O BP13 Monitoring & evaluation for water resources project

F

474AJ Future activities report Nov 81-Nov 82

474M - - - : Nov 83-Sept 84 Draft

81 474A Inception report

F

82 474D Report on training. 2nd draft

82 474H Strengthening the Directorate of Planning & Programming
Organisation : discussion paper 1st draft

84 474R Bibliography of agro-economics

F

84 474S Final report on main stage May 81-Sept 84. Draft

84 474T Loan 1268-IND Irrigation project 7: project completion report

84 474U Trans 5 project preparation report. 3rd draft

85 474V Monitoring & evaluation irrigation 17 project, East Java Province

82 474AB - - - : summary of proposal for project

82 474AC - - - : proposal

82 474AD - - - : Annex 1. 1st phase, level C, proposed monitoring
& evaluation programme

F

85 474AE - - - : terms of reference for water management (level B)
& irrigated crop production & farm income (levels C&D)
monitoring of the surface water components.
Stage 1. End of 1984\5 wet season

83 474W SFSE-80 extension : results of Phase 2 studies

82 474X Project monitoring & evaluation of water resources projects:
proposal for P.M.E. institutional project. 1st draft

82 474AA Report of workshop on project monitoring & evaluation:
revised conceptual framework work programme. 1st draft

87 474AG Consultancy services June-Nov 87: final report. Draft

88 474AI - - - : Dec 87-April 88: final report

EAST JAVA IRRIGATION PROJECT

Client: Indonesia.Ministry of Public Works

Company: MMP

83 469A Inception report F

WARUJAYENG TURI TUNGGORONO IRRIGATION STUDY

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.

Companies: Binnie/HTS/MMP

81 466G Feasibility study. Vol.1. Main report F

466E --- : Vol.2. Main report drawings F

466F --- : Vol.3. Annex A. Meteorology & hydrology F

A.B. Flood protection

466B --- : Vol.4. A.C. Sediment studies F

A.D. Headworkds

A.E. Irrigation & drainage systems

466C --- : Vol.5. A.F. Land evaluation F

A.G. Agriculture

A.H. Economics

466D --- : Vol.6. A.I. Socio-economics & infrastructure F

A.J. Project benefit monitoring & evaluation

82 466H Waru Turi Barrage study (supplement to above). Main volume F

466I --- : appendices F

A.A.Hydrology

A.B.Engineering

A.C.Agriculture

A.D.Economics

TRANSMIGRATION SETTLEMENT PLANNING ADVISORY GROUP

Client: Min.Transmigration. Dir.Gen.of Settlement Preparation

Finance: World Bank

Companies: MMP/HTS/Water & Power Consultancy/Brammah/ Inkindo

Quarterly Reports

465 April 1981 F

465A Jan-Apr,May-Jun,Aug-Oct.1981 F

465E Feb-Apr 1982 F

465G Aug-Oct 1982 F

465L Nov82-Jan 83 F

465M Aug83-Jan 84 F

465N Feb-Apr 84 F

465O May-Jul 84 F

465P Aug-Oct 84 F

465W Nov84-Jan 85 F

465X Feb-Apr 85 F

465Z May-Jul 85 F

465AB Nov85-Jan 86 F

465AC Feb-Apr,May-Jul 86 F

465AE Oct-Dec 87 Main report F

465AG Jan-Mar 88 Main Report F

465AH Apr-Jun 88 Main Report F

465AJ Jul-Sept 88 Main Report F

465AK Oct-Dec 88 Main Report F

465AL Jan-Mar 89 Main Volume F

465AN Apr-Jun 89 Main Volume F

465AP Jul-Sept 89 Main volume F

465AR Oct-Dec 89 Main volume F

465AS Jan-Mar 90 Main volume F

465AT Apr-Jun 90 F

465AU Jul-Sept 90 Main volume F

465AV Oct-Dec 90 Main volume F

465AW Jan-Mar 91 Main volume F

Monthly reports

	465F	Progress report Nov82, Jun83	F
	465U	Jun, Nov, Dec, 84	F
	465V	Feb, May, Jun, Aug 85	F
	465B	Inception report	F
82	465D	Mid term report	F
	465H	Physical planning for transmigration:TOR Phase 2,3A,3B	F
	465I	Landform & landuse mapping north of Lombok, by N. Munro	F
86	465J	DITADA transmigration advisory planning group;Final Report	F
	465K	Project preparation:Evaluation of the Transmigration Programme during Repilata 3	F
	465K	SFSE-82 Mid term review & quarterly progress report Aug-Oct 84	F
85	465R	Planning for transmigration advisory group under Trans 5 programme:TOR	F
	465S	--- : terms of reference, Phases 2A,2B, 3A	F
89	465AM	Mid-term review	
87	465AF	Environmental issues & recommendations:the role of PGL	
	465AV	Also C,T,AA,AC not used	

Final Reports

92	465AX	Main volume	
	465AY	Appendices	

CENTRAL JAVA GROUNDWATER SURVEY

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.
Overseas Development Administration
Companies: Binnie/HTS

	455A	Inception report. Vol.1. Administration & training	F
	455	--- : Vol.2. Technical	F
	455B	Quarterly report no.4. April-June 1981	F
	455C	--- : no.6. Oct-Dec 1981	F
82	455D	Interim report	F
	455E	Executive summary	F
	455F	Vol.1. Final report	F
	455G	Vol.2. Provincial report	F
	455H	Vol.3. Zonal report : Demak	F
	455I	Vol.4. Zonal report : Guning Muria	F
	455J	Vol.5. Zonal report : Rembang Blora	F
	455K	Vol.6. Zonal report : Gemolong	F
	455L	Vol.7. Zonal report : Klaten	F
	455M	Vol.8. Zonal report : Wonogiri	F
	455N	Vol.9. Zonal report : pemali Comal	F
	455O	Vol.10. Technical annex A. 1. Hydrology 2. Hydrogeology 3. Drilling	F
	455P	Vol.11. Technical annex B 4. Soils 5. Agriculture	F
	455Q	Vol.12. Technical annex C. 6. Irrigation 7. Economics 8. Water supply	F
	455R	Vol.13. Maps	
	455S	Soil report	

LODOYO IRRIGATION PROJECT. PHASE 2

Client: Indonesia. Ministry of Public Works

Finance: Asian Development Bank

Companies: MMP/HTS

80	453	Monthly repots, July-November	F
	453A	Agricultural annex (missing)	
	453B	Quarterly report July-Sept 1980	F
81	453C	End of assignment report: agronomical annex.	F
	453D	---- : ---- : appendices. Draft	F

CENTRAL PLANNING CONSULTANCY

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.

Overseas Development Administration

Companies: Binnie/HTS

79	451B	Water resources & potentially irrigable land Bengkulu Province, Sumatra	F
	451G	---- : Central Sualwesi Province : main volume	F
	451H	---- : ---- : figures	F
81	451AB	---- : South East Sulawesi : main report & figures	F
	451AC	---- : Riau : main report & figures	F
	451D	Land resources of the Kuantan-Indragiri basin, Riau: working paper on development for rice	F
	451E	---- : Lower Barito basin, South Kalimantan	F
	451F	---- : part of South Sumatra Province : working paper on development potential for rice	F
80	451S	Water & land studies : appraisal of water reosurces development in Kreung Peusangan River basin, D.I. Aceh	F
	451U	---- : water resources & potentially irrigable land of D.I. Aceh: Main report	F
	451V	---- : ---- : figures	F
	451Y	---- : land resources of Tapanuli coastal strip & the Asahan-Barumun region province: working paper on the development potential for rice	F
	451AD	---- : final report	F
	451C	Groundwater investigations at Gemolong, Central Java	F
	451I	Water resources of Java : working paper	F
	451R	Land & water studies : inception report. Draft	F
	451T	Report on hydrology	F
	451J	Banten water resources development : reconnaissance study. Vol.1. Main report	F
	451K	---- : Vol.2. Appendices. A. Hydrology & hydrogeology B. Agriculture C. Irrigation D. Development appraisal E. Terms of reference	F
	451L	Central Planning Consultancy : Final report	F
	451M	---- : final report. Appendix 3. Proposed returned forms & explanatory manuals for central control & monitoring system	F
		Water Resources Planning Guides	
	451N	8. Economic & financial appraisal of development projects (revised version)	F
	451O	9. Aerial photography & mapping for water resources development projects in Indonesia	F
	451P	10. Land capability studies for water resources development projects in Indonesia. Draft	F

**STUDIES FOR FUTURE DEVELOPMENT FOR THE SOUTH EAST SULAWESI
TRANSMIGRATION & AREA DEVELOPMENT PROJECT**

Client: Dept of Manpower & Transmigration. Dir.Gen. Transmigration

Finance: Asian Development Bank

Companies: DHV/HTS

80	443	Inception report & report on reconnaissance level study of 360,000 ha.	F
	443E	Soils & land suitability Wawotobi right bank area	F
	443A	Lahumbuti feasibility study. Vol.1. Present conditions	F
	443B	--- : Vol.2. Development proposals	F
	443C	--- : Vol.3. Annex 1. Soils	F
		A.2. Agriculture	
		A.3. Land & water development	
	443D	--- : Vol.4. A.4. Settlement development	F
		A.5. Forestry	
		A.6. Financial & economic analysis	
	443F	Asera feasibility study. Vol.1. Main report	F
	443G	--- : Vol.2. Annex 1. Soils	F
		A.2. Forestry	
		A.3. Land & water development	
		A.4. Cost estimates settlement development	
		A.5. Financial & economic analysis	
	443H	Asera feasibility study Briefing Data	
79	410	Agricultural pricing assumptions for Pelita 3	F
		Companies: HTS/MMP	

SUMATRA LIVESTOCK DEVELOPMENT PROJECT

Client: Indonesia/Ministry of Overseas Development

Finance: Ministry of Overseas Development

Company: HTS

79	408	Vol.1. Main report	F
	408A	Vol.2. Appendices	F
	408B	Preliminary progress report	F
79	406	Crater Lakes vegetable irrigation, Bali	F
		Client: Min.Public Works.Dir.Gen.of Water Resources Dev.	
		Companies: MMP/HTS	

MADURA GROUNDWATER IRRIGATION PROJECT

Client: Min.Public Works. Dept Water Resources Dev.

Finance: EEC

Company: GDC

79	389	Inception report	F
81	389A	Interim report (bound in 3 volumes)	F
	389B	Report of the Associate Expert (Water management)	
82	389C	Final report	F
	389D	--- : Annexes 1. Groundwater investigations	F
		2. Well construction	
	389E	--- : Annexes 3. Agriculture & soils	F
		4. Economics	
	389F	--- : Annexes 5. Irrigation	F
		6. Water supply	
		7. Surface water reservoirs	
		8. Mechanical engineering	
		9. Development plan	

83	389G	Interim phase report. Annex 2. Agriculture Draft	F
82	389W	HIPPA training guidelines: supplement to final report AND Bahan Kursus Penyuluhan HIPPA (Indonesian original)	F
86	389X	Tubewell irrigation manual: TW Patenteng no.60. Example on non tobacco tubewell in West Madura.	F
86	389AA	Water use study of three tubewell command areas	F
78	389AN	Tubewell irrigation manual: Phase 2 tubewell TW 71 Pandanan	F
87	389AO	Agriculture & water management: handover notes	F
89	389BM	Sociological study of women in agriculture in Madura	F
89	389BP	Sustaining tubewell effectiveness	F
89	389AK	Handover notes	
86	389AL	Project presentation	
90	389AM	Proposals for the integration of women farmers in agricultural extension	
90	389CF	Interim report on the WID programme	
	389CE	Project completion report February 1979 - October 1990	

Agricultural Extension Bulletins

87	389Z	1. Irrigated rice production AND Irigasi padi sawah	F
87		2. Agricultural extension messages	F
87		3. Small scale fish ponds for tubewells in Madura	F
87		4. Irrigated maize production	F

Annual Reports

	389I	May 1985 incorporating Inception Report	F
	389H	--- : appendices incorporating Inception report	F
86	389R	Planning report	F
	389S	--- : appendices	F
86	389V	Work plan 1985\86 AND Addendum	F
87	389AB	Report\work plan 1986\87. Vol.1. Main report	F
	389AC	--- : Vol.2. Appendices	F
		A. Tubewell & agricultural monitoring data	
		B. Agricultural extension aids	
		C. Crop data & results of agricultural investigations	
		D. HIPPA training & strengthening	
		E. Summary of water management study	
		F. Pumpset data	
	389AD	--- : Vol.3. Appendices	F
		G. Borehole inventory	
		H. Borehole logs 1986\87	
		I. Resistivity survey data	
		J. Site selection	
		K. Training courses 1986\87	
		L. Terms of reference	
	389AE	--- : Vol.4. Maps & irrigation layouts	
88	389AS	Report\future workplan 1987\88. Vol.1. Main report	F
	389AT	--- : Vol.2. Appendices A-H	F
	389AU	--- : Vol.3. Appendices I-P	F
	389AV	--- : Vol.4. Maps & irrigation layouts	
89	389BF	Annual report\future workplan 1988\89. Vol.1. Main report	
	389BG	--- : Vol.2. Appendices A-J	
	389BH	--- : Vol.3. Appendices K to Q	
	389BJ	--- : Vol.4. Maps & irrigation layouts	

Monthly Reports

389J	Nos 71-74 Jan-Apr 85	F
389K	Nos 75-79 May-Sept 1985	F
389P	Nos 80-82 Oct-Dec 1985	F
389T	Nos 83-89 Jan-July 1986	F
389AF	No.94 Dec 86	F
389AG	Nos 95-98 Jan-Apr 87	F
389AH	Nos 99-102 May-Aug 87	F
389AP	Nos 103-106 Sept-Dec 1987	F
389AR	Nos 107, 109 Jan, Mar 1988	F
389AW	Nos 112, 114 June, Aug 88	F
389AY	Nos 115-118 Sept-Dec 1988	F
389BC	Nos 119-121 Jan-March 1989	F
389BE	Nos 122-124 April-June 1989	F
389BN	Nos 125-127 July-Sept 89	F
389BO	Nos 128-130 Oct-Dec 89	F
389BS	Nos 131-133 Jan-Mar 90	F
389BW	Nos 134-136 April-June 1990	F
389BX	Nos 137-141 July-Nov 90	
389CD	Nos 143-150 Jan-Sept 91	
389CH	Nos 152-154 Oct-Dec 91	
389CI	Nos 155-157 Jan-Mar 92	
389CK	Nos 158-159 April-May 92	
389CN	Nos 160-161 June-July 92	
389CO	No. 162-165 Aug-Nov 92	

92 389CJ Justification for Project Continuation into 1992 work programme

Quarterly Reports

389L	Phase 2 progress report July-Dec 1984	F
389M	--- : April-Dec 1985	F
389AI	Oct-Dec 1986	F
389AJ	April-Dec 1987	F
389AX	April-Dec 1988	F
389AZ	July-Sept 1988	F
389BA	Oct-Dec 1988	F
389BK	No.14-16 Apr-Dec	F
389BU	No.17-18 Jan-Jun 90	F
389BV	No.19-20 Jul-Dec90	F

Phase 3

89	389BD Phase 3. Working paper on operation & management of tubewell irrigation systems after completion of project. Draft
90	Project presentation & revised proposal for Phase 3 extension. KEPT WITH PROPOSALS

Phase 2 & 3 Final report

- 90 389BY Executive summary
389BZ Vol.1. Main report
389CA Vol.2. Appendices
A.A. Terms of reference
A.B. Staff training activities
A.C. Borehole data
A.D. Irrigation construction data
A.E. Pumpset installation data
A.F. HIPPA tubewell manual
A.G. Tubewell operation data
A.H. Pumpset monitoring & maintenance data
A.I. Agricultural data
389CB Hydrogeological maps
Irrigation design layout
Water supply pipeline location plans
- 92 389CL Executive Summary Document Project Presentation
92 389CM 1991 Annual Report/1992 Workplan Main report
389CH Also AL,AM,BR not used

KALI PROGO IRRIGATION PROJECT

Client: Min.Public Works.Dir.Gen.Water Resources Dev.
Company: MMP

- 79 383A Inception report F
383B Map

KUAMANG KUNING TRANSMIGRATION DEVELOPMENT AREA PHASE 2 STUDY

Client: Min.of Manpower,Transmigration & Cooperatives
Finance: Ministry of Overseas Development
Companies: HTS/Harrison Fleming

- 79 380 Main report F
380A Annex 1. Physical resources & agronomy F
Annex 2. Farm planning, economics & finance
380B Annex 3. market prospects & prices F
Annex 4. Forestry
Annex 5. Financial & economic cash flows
380C Phase 1 report
- 78 362 Soil & agricultural aspects of Sampean Baru development F
Client: Min.Public Works. Dir.Gen.of Water Resources Dev.
Company: HTS

GUMBASA IRRIGATION PROJECT

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.
Companies: Binnie/HTS

- 78 361 Operation & maintenance manual F
80 361A Programme study. Vol.1. Main report F
361B --- : Vol.2. drawings
361C --- : Vol.3. Annex A. Hydrology F
B Agriculture
361D --- : Vol.4. Annex C. Soil & land use survey F
361E --- : Vol.5. Annex D. Economics F
361F --- : Vol.6. Annex E. Engineering F
361G --- : Vol.7. Annex F. Main canal security F

DUMOGA IRRIGATION PROJECT

Client: Min.Public Works. Dir.Gen.Water Resources Dev.

Companies: Binnie/HTS

78	360	Kosonggolosinggolan scheme : operation & maintenance manual	F
79	360A	Summary report for IBRD appraisal mission. Vol.1. Main report	F
	360B	--- : Vol.2. Hydrology & agriculture	F
	360C	--- : Vol.3. Maps & drawings	F
	360D	Additional studies for IBRD appraisal mission	F
	360E	Dumoga (part) & Gumbasa irrigation projects : quarterly report no.3	F
	360F	--- : Inception report for programme studies	F
	360G	Programme study. Vol.1. Main summary Annexure E. Engineering	F
	360H	--- : Vol.2. Drawings	F
	360I	--- : Vol.3. Annexure A. Hydrology D. Economics	F
	360J	--- : Vol.4. Annexure B. Agriculture C. Soil & land use survey	F
	360K	--- : Vol.5. Economics	
	360L	Quarterly report No.5. for consultancy stage 3	F
83	360N	Stage 3. Final report & supplementary design note	F
	360O	Stage 3. Final report. Agricultural development in the Kosonggolan scheme	F
82	360M	Yield reappraisal of the Kosonggolan & Toraut schemes	F
	360P	Miscellaneous extract	

EAST JAVA GROUNDWATER SURVEY

Client: Min.Public Works & Power.Dir.Gen.Water Resources Dev.

Companies: HTS/MMP

76	348	Inception report	F
78	348A	Summary report	F
	348B	Draft report	F
	348C	--- : appendix	F
	348E	Vol.1. Main report	F
	348F	Vol.2. Annexes	F
	348G	Vol.3. Zone reports	F
80	346	Riau Phase 1 Report Estate crops & livestock	

RURAL WATER SUPPLIES

Indonesia. Min of Public Works. Dir. Gen. of Water Resources

Company: MMP

79	342A	Gunung Sewu area. Vol.1.	F
----	------	--------------------------	---

BLEGA & SAMIRAN DAMS, MADURA

Client: Min.Public Works & Power. Dir.Gen.Water Resources Dev.

Companies: MMP/HTS

78	337	General feasibility	F
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GUNING KIDUL GROUNDWATER PROJECT

Client: Min.Public Works.Dir.Gen.of Water Resources

Companies: MMP/HTS

77	335	Interim report	F
	335A	Final report. Vol.1. Main report	F
	335B	--- : Vol.3A. Geohydrology	F
	335C	--- : Vol.3B. Geohydrology : appendices	F
	335D	--- : Vol.4. Irrigation	F
	335E	--- : Vol.5. Mechanical	F
	335F	--- : Vol.6. Economics	F
	335G	--- : Vol.7. Water supply	F
	335H	--- : Vol.8. Agricultural handbook	F
	335J	--- : Vol.8A. Field irrigation handbook	F
	335I	--- : Vol.9. Operation & maintenance	F
	335K	Final report	F
83	335O	Completion report	
		Technical Notes	
	335L	Yogyakarta groundwater survey	F
	335M	Gunung Sewu water supply	F
83	335N1	Monitoring report : File 1	
	335N2	--- : File 2	

TRANSMIGRATION PLANNING MANUAL

UNDP/FAO

	330	Vol.2. Site identification	F
	330A	Vol.3. Land evaluation	F
	330B	Vol.4. Health survey	F
	330C	Vol.5. Climate & hydrology	F
	330D	Vol.7. Agricultural planning : perrenial crops	F
	330E	Vol.11. Physical planning	F
	330F	Vol.13. Agricultural extension services	F
	330G	Vol.15. Budget formation	F
	330H	Vol.19. Accounting	F

NORTH SUMATRA DESIGN UNIT

Client:Min.Public Works & Electric Power.Dir.Gen.Water
Resources Dev.

Companies: Binnie/HTS

77	324	Prefeasibility study on Batang Angkola, Batang Ilung & Batang Pane irrigation schemes. Vol.1. Main report	F
	324A	--- : Vol.2. Annexes	F
80	324D	Batang Ilung irrigation schems feasibility study. Vol.1. Main report	F
	324E	--- : Vol.2. Appendices	F
	324F	--- : Vol.3. Appendix B. Agricultural soil	F
	324G	Batang Tory study prefeasibility study of Sarulla & Silindung irrigation project : reconnaissance of Sangkunur. Vol.1. Main report	F
	324H	--- : Vol.2. Appendices	F
79	324B	Report on the soils of the batang Angkola area,north Sumatra	F
	324C	Report on the soils of the Batang Ilung area	F
	324I	Aek Silang & Dolok Sanggul area reconnaissance study report	F
	324J	Lau Biang prefeasibility study	F
	324K	Lau Renun area reconnaissance study report	F
	324L	Practical field surveying : guideline 2	F
	324M	N.S.D.U. annual report 1980	F

BALI GROUNDWATER

Client: Min.Public Works & Power.Dir.Gen.Water Resources Dev.
Companies: MMP/HTS

- | | | | |
|----|------|-----------------|---|
| 77 | 321 | Summary report | F |
| | 321A | Final report | F |
| | 321B | Appendices | F |
| 80 | 321C | Planning report | F |

LAMPUNG WATER RESOURCES DEVELOPMENT PROJECT

Client:Min.Public Works & Electric Power.Dir.Gen.Water
Resources Dev.

Companies: H.Humphreys/HTS

- | | | | |
|----|------|--|---|
| 77 | 314 | Reconnaissance report on the land & water resources of
Lampung Province. Vol.1. Present situation | F |
| | 314A | --- : Vol.2. Future development potential | F |
| | 314B | Feasibility study of the Way Seputih & Way Sekampung basins.
Special report on the Way Seputih Irrigation Project | F |
| | 314C | --- : Vol.2. Main report | F |
| | 314G | --- : Vol.3. Soils & agriculture | F |
| | 314H | --- : Vol.4. Water resources | F |
| | 314I | --- : Vol.4. Appendices | F |
| | 314J | --- : Vol.5. Engineering. Part 1. Dam studies | F |
| | 314K | --- : Vol.5. Engineering. part 2. Irrigation | F |
| | 314L | --- : Vol.5. Engineering. Part 3. Project operations | F |
| | 314M | --- : Vol.6. Economics | F |
| | 314N | Quarterly report April-June 1976 | F |
| | A314 | Interim project review | F |

GAMBASARI DRAINAGE & FLOOD CONTROL STUDY, CENTRAL JAVA

Client:Min.Public Works & Power. Dir.Gen.Water Resources Dev.
Company: Binnie

- | | | | |
|----|------|---|---|
| 77 | 309 | Report | F |
| | 309A | Appendices. A. Mapping & survey information
B. Agricultural economics
C. Mathematical equations
D. Engineering costs | F |

TRANSMIGRATION & LAND SETTLEMENT EXPANSION

Techncial Committee of the Transmigration Expansion
Guidance & Implementation Committee

Company: PA International

- | | | | |
|----|------|------------------|---|
| 77 | 188A | Inception report | F |
|----|------|------------------|---|

SADANG UTARA IRRIGATION PROJECT

Client: Min.Public Works.Dir.Gen.of Water Resources Dev.
Companies: Binnie/HTS

- | | | | |
|----|-----|------------------|---|
| 76 | 459 | Inception report | F |
|----|-----|------------------|---|

NORTH SUMATRA SMALLHOLDERS DEVELOPMENT PROJECT (AEKNABARRA SMALLHOLDERS RESETTLEMENT)

Client: Indonesia. Directorate of Estates
Finance: IBRD/Governmetn of Indonesia
Company: HTS

- | | | | |
|----|------|--|---|
| 76 | 308 | Proposal for a Phase 2 extension to the project.Vol.1
Summary & main report | F |
| | 308A | --- : Vol.2. Annexes | F |
| | 308B | --- : Vol.3. Maps | F |
| | 308C | Development alternatives under NSSDP Phase 2: a discussion paper | F |

SOUTH EAST SULAWESI TRANSMIGRATION AREA DEVELOPMENT PROJECT

Client: UNDP/Indonesia. Dir.Gen. Transmigration
Finance: Asian Development Bank
Companies: HTS/Brammah

76	292	Interim report	F
	292A	Vol.1. Main report	F
	292B	Vol.2. Agricultural development	F
	292C	Vol.3. Irrigation development	F
	292D	Vol.4. Settlement planning	F
	292E	Vol.5. Financial & economic analysis	F
	292H	Livestock development in S.E.S.T.D.P.	F

TUKAD SABAH STUDY

Client: Min.Public Works.Dir.Gen.Water Resources Dev.
Companies: HTS/MMP/Ministry of Overseas Development

76	291	Seririt water supply	F
	291A	Annex 1. Agriculture & economics	F
	291B	Main report	F

**NUCLEUS ESTATES SMALLHOLDER DEVELOPMENT PROJECT.
BULU TELANG, NORTH SUMATRA**

Client: Indonesia
Finance: Asian Development Bank
Companies: HTS/Brammah

76	287	Summary	F
	287A	Main report	F
	287B	Annex 1. Cash flow analysis	F
	287H	A.1. Agricultural economics	F
	287C	A.2. Management	F
		A.3. Physical & social planning	
		A.4. Land classification	

Working Papers

	287D	1. Management	F
	287E	2. Discussion of development alternatives	F
	287F	3. Physical planning	F
	287G	4. Social constraints to development	F

KREUNG JREUE & KREUNG BARO IRRIGATION PROJECT FEASIBILITY STUDY

Client: Indonesia.Min.Public Works & Electric Power
Finance: Min.Overseas Development
Companies: Binnie/HTS

76	281	Vol.1. Main report	F
	281A	Vol.2. Main report: drawings	
	281B	Vol.3. Annexure A. Hydrology & meteorology	F
	281C	Vol.4. A.B. Engineering	F
	281D	Vol.5. A.C. Agriculture	F
	281E	Vol.6. A.D. Economics	F
	281F	Vol.1. Soil survey & land classification	F
	281G	Agricultural report for Kreung Baro Irrigation Project	F
	281H	Maps	

**NUCLEUS ESTATES/SMALLHOLDER DEVELOPMENT PROGRAMME IN
JAMBI PROVINCE**

Client: Indonesia
Finance: IBRD
Companies HTS/CDC/Fraenkel

	280	Final report : summary	F
	280A	Main report	F
	280B	Appendices	F
	280C	Maps 1	F
	280D	Maps 2	F
	280E	Maps 3	F

TORAUT IRIRGAITON SCHEME

Client:Min.Public Works & Power.Dir.Gen.Water Resources Dev.
Companies: Binnie/HTS

75	270	Report on the economic appraisal of the Toraut I.S. Dumoga Project, north Sulawesi	F
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NUCLEUS ESTATES\SMALLHOLDERS DEVELOPMENT PROJECT

Client: Indonesia. Department of Agriculture
Finance: IBRD
Companies: HTS/Commonweath Development Corporation

	269A	Vol.1. Introduction & summary	F
	269B	Vol.2. Bases of the development plan	F
	269C	Vol.3. Study report & project preparation. Alue Lemerah area, Aceh Province	F
	269D	Vol.4. - - - : Air Molek, Riau Province	F
	269E	Vol.5. - - - : Palenbang area, south Sumatra	F
	269F	Vol.6. Study report Phase 2 areas : Padang Sidepaun area, north Sumatra Province;Danau Salak area, south Kalimantan Province; Cijaringao area, West Java Province	F
	269AA	Notes on logistics with some background information for proposed HTS\CDC mission to Indonesia	F

EAST JAVA DESIGN TEAM OPERATIONS & MAINTENANCE STUDY

Client: Min.Public Works & Power.Dir.Gen.Water Resources Dev.
Companies: HTS/MMP/Ministry of Overseas Development

75	261	Part 1. Present practices	F
74	223	Prefeasibility study of the soils of the LowerProgo Basin for sugar cane production Company: HTS	F
73	215	Agricultural potential of the Kota Pinang concession, north Sumatra Client: Anglo Indonesian Plantations Ltd Company: HTS	F

MADURA STUDY

Client: Min.Public Works & Power.Dir.Gen.Water Resources Dev
Companies: HTS/MMP

73	206A	Reconnaissance report	F
	206B	Annexure. Reconnaissance report on the livestock industry, by W. Payne	F
	206C	Appendices	F
74	206D	Interim report	F
	206F	Surface water : final report	F
	206G	Supporting reports & appendices	F
	206H	Groundwater : final report	F
	206I	Supporting reconnaissance report : soils & land classification	F

KEDIRI NGANDJUK STUDY

Client: Indonesia. Ministry of Public Works & Power

Finance: Ministry of Overseas Development

Companies: MMP/HTS

	200	(Report)	F
	200A	Interim report	F
73	200B	Main report	F
	200D	Exploratory soils & land classification study	F
	200E	Supporting report A. Soils & land classification	F

PHASE 1

	200C	1st interim report	F
	200F	2nd interim report	F
	200G	Final report	F
	200Q	Completion report	F

PHASE 2

75	200H	1st interim report	F
76	200I	2nd interim report : annexes	F
77	200L	Final report	F
	200M	--- : Annexes. 1. Groundwater resources A.2. Groundwater development A.3. Irrigation	F
	200N	--- : A.4. Agriculture A.5. Mechanical engineering A.6. Economics	F

PHASE 3A

	200O	Inception report	F
	200P	Monthly reports Nov 78-Jun 79	F
80	200R	Interim report	F
81	200S	Agriculture report	F
	200T	Agricultural survey	F
	200U	Agricultural annexes	F
	200V	Drilling manual	F
	200W	Economics report	F
	200X	Groundwater report	F
	200Y	Groundwater data appendices	F
	200Z	Mechanical report	F
	200AA	Album of maps	
	200AB	Main report	

KALI PROGO BASIN STUDY

Client:Min.Public Works.Dir.Gen.Water Resources Dev.

Companies: HTS/MMP

71	180A	Main report	F
	180B	Supporting report A.Climate & hydrology	F
	180C	--- : B. Groundwater	F
	180D	--- : C. Soils & land classification	F
	180E	--- : D. Agriculture E. Agricultural economoics	F
	180F	--- : F. Existing irrigation	F
	180G	--- :G. Planning H. Priority projects	F
	180H	Album	
72	180J	Appraisal report	F

71	168	Report on the smallholder rubber survey, north Sumatra Client: Indonesia Finance: World Bank Comapnies: HTS/CDC	F
71	166	Reconnaissance soil survey & ;land classification of Gunung Kidul Client: Indonesia.Dept of Public Works Companies: HTS/MMP	F
67	114A 114B	Report on agricultural production in West Irian Photographs accompanying the report UNDP Company: HTS	F

IRAN

ANIMAL PROTEIN PRODUCTION IMPLEMENTATION PROGRAMME

Client: Min.of Agriculture & Natural resources Animal
Husbandry Organisation
Companies: Bookers/HTS

75 259 Stage 1. Phase 1. Site identification & reconnaissance survey F

MAZANDARAN IRRIGATION WORKS STUDY

Client: Northern Region Water & Power Authority
Companies: A.Gibb/HTS

75 257 Study of 1353 water requirements F

LAR DAM & MAZANDARAN IRRIGATION PROJECT

Client: Tehran Regional Water Board
Finance: Client
Companies: A.Gibb/HTS

69 150G Vol.1. F
150A Vol.2. Agriculture & agricultural economics of Mazandaran F
150G Vol.2. Supplement. Re-examination of the irrigated area, F
the rice crop & water use in 1974
70 150B Vol.3. Soils of the project area in Mazandaran F
150C Vol.5. Pt 1. Groundwater in the greater Tehran area F
150D Vol.5. Pt 2. Groundwater in Mazandaran F
150E Vol.5. Pt 2. Appendices F

NATIONAL CROPPING PLAN

Client: Ministry of Agriculture & Natural Resources
Finance: Government of Iran
Companies: HTS/Bookers

74 247N Notes on cropping patterns for the Gorgan Irrigation Project
74 247A Inception report. Vol.1. Main report F
247B --- : Vol.2, Annexes F
Incl.A.1. People
A.2. Climate
A.3. Land
A.4. Water
A.5. Farming systems
A.10. Agriculture
247C --- : Vol.3. Maps F
1. Rainfall pattern of Iran
2. Preliminary division into agroclimatic regions
4. Major physiographic units of Iran
247D Interim report. Vol.1. Summary & main report F
247E --- : Vol.2. Annexes F
A.1. Soils & soil salinity
A.2. Water resources & irrigation development
A.3. Population & labour force
A.4. Agricultural area & production statistics
A.6. Agro-climate
247F --- : Vol.3. Annexes F
A.7. Agriculture - crops
A.8. Livestock

	247G	----	Maps	
			2. Surface water & rainfall	
			3. Hydrogeology	
			4. Irrigation	
			5. Salinity	
			6. Available cropland	
			7. Livestock development areas	
			8. Agricultural zones & research institutes	
			9. ERTS imagery interpretation	
	247H		Final report. Vol.1. Summary & main report	F
	247I	" "	Vol.2. Annexes	F
			A.1. Soils & soil salinity	
			A.2. Water resources & irrigation development	
			A.3. Population & labour force	
			A.4. Agricultural area & production statistics	
	247J	----	Vol.3. Annexes	F
			A.6. Agroclimatic regions & agricultural zones	
			A.7. Agriculture - crops & future cropping patterns	
			A.8. Livestock	
	247K	----	Vol.4. Annexes 9-12	F
	247L	----	Vol.5. Maps at 1:2.5 million scale	
			2. Surface water & rainfall	
			3. Hydrogeology	
			4. Irrigation projects & agricultural zones	
			5. Salinity	
			6. Soils potential	
			7. Rangeland potential	
			9. ERTS imagery interpretation	
			10. Development potential	
			11. Agroclimatically significant vegetation zones	
76	247M		Annex to final report	

IRRIGATION & DRAINAGE SYSTEM IN SISTAN

Client: Independent Irrigation Corp.

Company: A.Gibb

64	99		Report Phase 1	F
64	99C		Water demand for the full development of the Sistan plan	F
66	99A		Phase 2 final report	F
	99B		Phase 2 final report : plates	

IRRIGATION PROJECTS MAZANDARAN

Client: Plan Organisation

Company: A.Gibb

56	97B		Preliminary reconnaissance	F
58	97A		Preliminary report	F
58	35		Report on a preliminary photogeological study of part eastern Iran	F
			Client: Italconsult	
			Company: HTS	
58	32		Preliminary geological investigation of two concessions in West Maakran	F
			Client: Sapphire Petroleum	
			Company: HTS	

RIVER AJI TCHAI IRRIGATION PROJECT

Client: Omnium Francais et d'Etudes et de Recherches/ETCO

Company: HTS

57	18B		Recherche du sol du projet d'irrigation du fleuve d'Aji Tchai	F
----	-----	--	---	---

RIVER GORGAN IRRIGATION PROJECT

Client: Omnium Francais et d'Etudes et de Recherches/ETCO

Company: HTS

- | | | | |
|----|-----|---|---|
| 57 | 16A | Rapport intermaire sur estimation des possibilites d'irrigation d'un resevoir a construre sur le fleuve de Gorgan | F |
| | 16B | Soil & agricultrual study of the river Gorgan irrigation project | F |
| | 16C | Etude de sol et de l'irrigation du projet d'irrigation de la riviere Gorgan | F |
| | 16D | Amenagement de la riviere Gorgan: rapport de reconnaissance preliminaire | F |
| 57 | 14 | Report on the potential of mineral resources of Khouzistan
Client: Development & Resources Corp.
Company: HTS | F |

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REPORT NO.
↓

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IRAQ

SPRINKLER IRRIGATION STUDY

Client: Iraq
Finance: Government of Iraq
Companies: MMP/HTS

82 523 Report on a visit to USA to assess use of centre pivot & linear move irrigators on heavy & medium textured soils F

82 520 Satellite & Aerial data Analysis Centre, Iraq. System 101 user training: course report, by G. Deane F
Client: Iraq
Finance: Government of Iraq
Companies: HTS/International Imaging Systems

GREATER MUSSAYIB PROJECT

Client: Iraq. Ministry of Irrigation
Finance: Government of Iraq
Companies: Binnie/HTS

81 462 Re-evaluation study for G.M.P.: interim report F
81 462G Draft re-evaluation report: additional data for DIEBIP F
82 462H Sprinkler v. surface irrigation for cotton F

Re-Evaluation Report

82 462A Vol.1. Summary F
462B Vol.2. Present situation F
462C Vol.3. Project modelling F
462D Vol.4. Agricultural development F
462E Vol.5. Annexes. F
X
1. Landforms & soils
2. Hydraulics
3. Drainage
4. Farm mechanization
5. Summary of principle reports studied
6. Economic analysis (Project final analysis)
7. Matters arising from DIEBIP review

462F Vol.6. Drawings F

AIRPORT LINK ROAD DRAINAGE PROJECT

Client: Iraq. City of Baghdad
Company: MMP

81 457 Design report F

79 413 Guide to successful crop production in Iraq F
Client: Iraq. Ministry of Agriculture & Agrarian Reform
Companies: MMP/HTS

74 249 Memorandum on agricultural production in Iraq F

UPPER KHALIS

Client: Iraq. Ministry of Agriculture & Agrarian Reform. Khalis Agricultural Administration
Companies: MMP/HTS

74 237B Re-appraisal report F

74	173AJ	Proposed citrus development	F
76	173R	Citrus development proposals. Final report	F
77	173AD	Proposals for the development of the citrus state farm	F
	173Y	Citrus state farm: economic report	F
77	173V	Proposals for the development of the rice state farm	F
77	173Z	Rice state farm: economic report	F
	173AB	Rice state farm: technical report	
	173AM	Report on the feasibility of state rice farm	F
75	173AR	1. Irrigability of the soils of the L.K.P.	F
		2. Reclamation of saline soils of the L.K.P.	
	173O	1. The selection, management & use of machinery in the field	F
		2. Proposals for the organisation of maintenance repair & spare parts supply for all equipment owned & operated by the Khalis Agricultural Administration	
72	173AX	Appraisal of Lower Khalis Irrigation Project	F
74	173AV	Agricultural extension methods course: programme	F
75	173AP	Report on Abu Tamar livestock state farm	F
76	173U	Proposals for the development of an arable state farm	F
	173Q	Proposals for the development of livestock state farm	F
77	173AW	Photographs taken by Huntings staff	
78	173AE	Field drainage design report	F
x 79	173AT	Terminal report of the Soils & Land Reclamation Specialist	F
	173AH	Report on the feasibility of fish farming	
	173AN	Agricultural mechanization for the L.K.P.	F
	173P	Report on organisation & administration	F
80	173BE	Terminal report of the Mechanisation Specialist	F
82	173BG	A case study	F
74	173M	Agricultural Experimental Station	F
75	173AL	Agricultural Experimental Station: guideline building specifications	F
76	173S	Agricultural Experimental Station & Training Centre Preliminary report	F
	173AC	Experimental Station : Planning report	F
	173W	Experimental Station annual report 1975-76	F
	173AF	Experimental programme annual report 1977	F
	173AQ	--- : 1978	F
	173AY	Experimental & field programme annual report 1979	F
	173AZ	Agricultural planning report 1975	
	173AS	Agricultural planning programme annual report 1978	F
	173BC	--- : 1979	F
		Planning Reports	
79	173BH	A. Capital costs proposed state dairy farm	F
		B. Study sheep state farm: Lower Khalis	
		C. Study sheep state farm: Upper Khalis	
		D. Sheep stacking rates	
	173N	Interim report on training	
	173AG	Reports & contract documents	F
	173AK	K.A.A. agricultural extension: proposed infrastructure staff & organisation. Draft	F
80	173AU	Terminal report for the planning	

IRAQ - 4

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Monthly Reports

173AO\11 Dec 1974	F
173AO\1 Jan-Mar 1978	F
173AO\2 Apr-Jun 1978	F
173AO\3 Jul-Sept 1978	F
173AO\4 Oct-Dec 1978	F
173AO\5 Jan-Mar 1979	F
173AO\6 Apr-Jun 1979	F
173AO\7 Jul-Sept 1979	F
173AO\8 Oct-Dec 1979	F
173AO\9 Jan-Mar 1980	F
173AO\10 Apr-Jun 1980	F

BADRA, JASSAN & ZURBATIYEH IRRIGATION PROJECT

Client: Min. of Agrarian Reform. Directorate General of Irrigation
Companies: HTS/MMP

69	141A	Planning report. Vol. 1. Engineering & economic report	F
	141B	--- : Vol. 2. Soils & agriculture	F
	141C	Soil & land classification maps	

see HTS 13/5/04

141 B C

EAST GHARRIF IRRIGATION & DRAINAGE PROJECT

Client: Min. of Irrigatin. Directorate General of Irri. & Drainage Projects
Company: MMP

68	130	Design report	F
	130A	Planning report	F
	130B	--- : supplement no. 1. Economic appraisal	F
	130C	--- : Drawings	
		Incl. Drainability	
		Soil salinity	
		Water table depth	
		Land classification	
	130D	Irrigation & drainage works	

MANDALI IRRIGATION PROJECT

Client: Min. of Agrarian Reform. Directorate General of Irrigation
Companies: HTS/MMP

68	126	Soil survey & land classification report	F
	126A	Report on sprinkler irrigation	F
	126B	Soil & land classification maps	

see HTS 13/5/04

126

88 Photogeological study of part of the Mesopotamian Plain
Client: Continental Oil Co.
Company: HGG

F

MADALI, BADRA & JASSAN PROJECTS

Client: Iraq. Ministry of Agriculture. Directorate General of Irrigation
Company: MMP

62	65A	Tunnel routes. Phase 1. Geological report	F
	65C	Report on development schemes. Pt 1. Summary	F
	65D	--- : Pt 2. Engineering report	F
	65E	--- : Pt 3. Soils & agriculture report	F

58	33	Botanical checklist for the plains of Central Iraq Company: HTS	F
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33 (2)

Note

East Gharrif
G. Land

Note

Note

* HTS
to D. P. ...
31/11/02

Notes

KIRKUK IRRIGATION PROJECT

Client: Iraq.Ministry of Agriculture
Company: Binnie

- 58 (31A) Preliminary survey report: soil survey & land classification F
- 31F Preliminary report F
- 31G Supplement to preliminary report F
- 31B Agriculture & agricultural considerations: preliminary report F
- 31C Site reports nos R1-R107 F
- 31D --- : nos R201-R304 F

Feasibility report

- 62 31 Vol.1. Main report F
- 31E Vol.2. Appendix A. Physiography F
- A.B. Soils
- A.C. Agriculture

31 E (2)

DIYALA & MIDDLE TIGRIS PROJECT

Client: Iraq.Ministry of Agriculture.Director General of Irrigation
Company: MMP

Reports

wanted

- 58 22A 1. Lower Diyala outfall drain F
- (22B) 2. Lower Diyala development: soils, agriculture, irrigation & drainage. Pt 1. General report F
- 22C --- : Pt 2. Engineering report F
- (22D) --- : Pt 3. Soils & agriculture F
- (22W) --- : Soil survey & land classification maps — see HTS 13/5/04 F
- (22F) 3. Middle Tigris right bank development: soils agriculture, irrigation & drainage: general report F
- 22G --- : Appendix 1. Irrigation & drainage F
- (22H) --- : A.2. Soils & agriculture — maps ??? F
- 22I 4. Middle Diyala development, soils, agriculture, irrigation & drainage: general report F
- 22J --- : A.1. Irrigation & drainage F
- 22K --- : A.2. Soils & agriculture F
- 22L 5. Upper Diyala development: conservation & agriculture F
- 22M 6. Middle Tigris navigation & flood protection F
- 22N 7. River Diyala hydrology & flood control F
- (22O) 8. Middle Tigris left bank development: soils agriculture, irrigation & drainage F
- (22X) --- : survey & land classification maps ✓ RNM copy. MAPS 22X (1) F
- (22P) 9. Agronomic trials & village studies F
- 22R. 10. Final report F
- 22Q Final report F
- 22T Interim report on experiments & observations with winter crops, Lower Diyala 1958 F
- 22U Report on experiments & observations with summer crops Lower Diyala F
- 22S Middle Diyala development F
- 22V Preliminary report on the Saadiya irrigation project F
- 56 (7) Photogeological study of the Tharthur depression F
- Client: Nedeco
- Company: HTS

* Second copy to J.Pournelle
3 May '02

IRACR - 6/16

NOTE
YEAR
↓

Z.A.D. IRRIGATION SCHEMES

Client: Iraq.Development Board
Company: Binnie

R.N.M.
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10A (1)

- 19 56 10A Vol.1. Nahrwan, Adhaim & Ishaqi areas. Pt 1. Irrigation; Pt 2. Agricultural
Incl. Appendix A. Forestry F
- 10B Vol.2. Soil survey & land classification report. Pt 1. Nahrwan area ; Pt 2. Adhaim area; Pt 3. Ishaqi area F
- 10C Vol.3. Makhmour area. Pt 1. Irrigation; Pt 2. Soil survey, land classification & agricultural report. F
Incl.A.A. Climatic data
A.F. Checklist of plants described with Arabic names
- 10D Summary of report on Nahrwan, Adhaim & Ishaqi areas
- 10E Land classification maps: Nahrwan, Adhaim & Ishaqi areas
- 10F Soil survey maps, land classification maps, engineering drawings: Makhmour area
- 19 55 10G Report on chemical analysis of topsoil samples from Iraq F
- 19 55 1 Iraq forests: a report on a pilot survey of the forests in an area of some 540 square miles in northern Iraq, Zawita-Atrush area. F
Incl. Forest types: pine, oak & riverine
Client: Iraq.Director General of Forests
Company: HTS

10G (2)

J.P.
Back uk. 6 June. - 24 June.

ITALY

GEOLOGICAL MAPPING OF CALABRIA AT SCALE OF 1:25,000

64	90A	Final report. Vol.1. General report	F
	90B	--- : Vol.2. Applied geology	F
	90D	Relazione generale	F
	90C	Report of visit to Calabria April 1959	
	90Z	Report on a preliminary photogeological investigation of an area in Calabria	
	90AE	Appendice A. Documentazione fotografica e figure	F
		Relazione sulla geologia del foglio ...	
	90E	212 Montalbano Ionico	F
	90F	220 Verbicaro	F
	90G	221 Castrovillari	F
	90H	222 Amendolara	F
	90I	228 Cetraro	F
	90J	229 Paola	F
	90K	230 Rossano	F
	90L	230 Rossano. 1:100,000 English	F
	90M	231 Ciro	F
	90N	231 Ciro. 1:100,000 English	
	90AA	236 Cosena	F
	90O	237 S. Giovanni in Fiore	F
	90P	238 Crotona	F
	90Q	241 Nicastro	F
	90S	242 Catanzaro	F
	90AB	243 Isola de Capo Rizzuto	F
	90T	245 Palmi	F
	90U	246 Cittanova	F
	90V	247 Badolato	F
	90W	254 Reggio Calabria	F
	90X	254 Reggio Calabria. English	F
	90Y	255 Locri	F
	90AC	263 Melito de Porto Salvo	F
	90AD	264 Palizzi	F
59	40	Report on a photogeological study of area around Teremo	F
59	39	Report on a photogeological study of an area to the east of Grosseto	F
59	37	Report on the photogeological interpretation of an area around Mercato Saraceno, northern Italy	F
58	26	Report to accompany a photogeological study of an area around Rovereto	F
58	19	Report on the photogeological interpretation of the Villadoro area, Sicily	F

JORDAN

JORDAN RIFT VALLEY: INTEGRATED DEVELOPMENT STUDY

866 Monthly Progress report 18 Oct - 17 Nov.

IMPROVEMENT OF AGRICULTURAL PRODUCTIVITY IN ARID & SEMI-ARID ZONES OF JORDAN

856 Visit Report of Land Resources Specialist Dr.CJ Hatten Jul.95

NATIONAL SOIL MAP & LAND USE PROJECT

Client: Jordan.Ministry of Agriculture

Finance: EEC

Company: HTS

Progress reports

693A Nos 2-7 Oct. 89-Aug. 90
693F Nos 8-9 Oct., Dec. 90
693G No.10-12 Apr-Jul 91
693H No 13-14 Oct-Dec91
693K No 15 Feb92
693L Nos. 16-17 Apr. & Jun. 92
693M No.18-19Sept.92 & Oct.92
693N No.20-21 Dec92 & Feb. 93
693S No.22-25 Apr-Oct 93
693U No.26-27 Dec.93-Feb.94
693Y No.28, 29,30 Apr.-Aug.94
693AA No.31-33 Oct.94 & Feb.95
693AG No.34 Apr.95

F

Forward Programme

693B Jan.-Mar 90
693T Oct.-Dec.93
693V Jan-Mar.94
693Z Jul.-Sept.94
693AB Oct.-Dec.94

F

693D Forest & range vegetation types: a revised classification based on Climatic Zones

90

693E Interim report

F

F

92

693J Alternative areas for Level 2 survey

Reconnaissance Soil Survey Level 1

693P Vol.2 Main Report Aug.93
693Q - 3 Representative Profiles & Soil Analyses Aug.93
693R - 4 JOSDIS: Users Manual Aug.93
693W - 1 Summary (English - Draft) Aug.93

94

693X JOSDIS v 1.0 Audit & Recommendations Doc.:CIS112AR01
Ver.1.3 Mar.94

693AF Agriculture production in the semi-arid land & areas suffering from desertification by Dr.A.Y.Taimeh Dec.88

The Soils of Jordan Level 2

693AC Vol.1 Summary Dec.94 (Also in Arabic)
693AD Vol.2 Main Report Dec.94
693AE Vol.3 Appendices
693AO Map Album Semi Detailed Survey 1 : 50 000

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693H No 13-14 Oct-Dec91
693K No 15 Feb92
693L Nos. 16-17 Apr. & Jun. 92
693M No.18-19Sept.92 & Oct.92
693N No.20-21 Dec92 & Feb. 93
693S No.22-25 Apr-Oct 93
693U No.26-27 Dec.93-Feb.94
693Y No.28, 29,30 Apr.-Aug.94
693AA No.31-33 Oct.94 & Feb.95
693AG No.34 Apr.95

F

Forward Programme

693B Jan.-Mar 90
693T Oct.-Dec.93
693V Jan-Mar.94
693Z Jul.-Sept.94
693AB Oct.-Dec.94

F

693D Forest & range vegetation types: a revised classification based on Climatic Zones

F

90 693E Interim report

F

92 693J Alternative areas for Level 2 survey

Reconnaissance Soil Survey Level 1

693P Vol.2 Main Report Aug.93
693Q - 3 Representative Profiles & Soil Analyses Aug.93
693R - 4 JOSCS: Users Manual Aug.93
693W - 1 Summary (English - Draft) Aug.93

94 693X JOSCS v 1.0 Audit & Recommendations Doc.:CIS112AR01
Ver.1.3 Mar.94

693AF Agriculture production in the semi-arid land & areas suffering from desertification by Dr.A.Y.Taimah Dec.88

The Soils of Jordan Level 2

693AC Vol.1 Summary Dec.94 (Also in Arabic)
693AD Vol.2 Main Report Dec.94
693AE Vol.3 Appendices
693AO Map Album Semi Detailed Survey 1 : 50 000

95

Level 3

- 693AH Vol.2 Main Report Apr.95
- 693AI Vol 3 Appendices
- 693AJ Vol.4 Soil Physics
- 693AK Vol.5 Agrillic Horizons & Thin Section Studies Apr.95
- 693AL Vol.6 Map Legends
- 693AM Summary in Arabic
- 693AN Map Album Detailed Surveys 1 : 10 000

STORAGE FACILITIES IN THE WADI MALLAHA PHASE A STUDY

Client: Jordan. Jordan Valley Authority

Companies: A.Gibb/Masar

- | | | | |
|----|------|--|---|
| 84 | 554A | Inception report | F |
| | 554B | Report on feasibility evaluation of the lands adjacent to the reservoir for production of fodder crops & development of a livestock industry | F |
| | 554C | Final report. Pt 1. Summary report. Draft | F |
| | 554D | --- : Pt 2. Technical economic & financial feasibility. Main report. Draft | F |
| | 554E | --- : appendices to main report. Draft | F |
| | 554J | Karameh Dam project Final Report (appendices) Vol.7A Appendices to technical economic & financial feasibility (Vol.2) Apr.86 | |

PHASE B

- | | | | |
|----|------|---|--|
| 91 | 554F | Overview report Oct.91 | |
| | 554G | Water resources model - Inception report Nov.91 DRAFT | |
| 93 | 554H | Summary of identified design problems & recommended measures to mitigate their effects. | |
| | 554K | Karameh Dam project: Project Economic Appraisal report Nov.92 (rev.Jan 93) | |
| | 554L | Reservoir water quality studies Final Report Nov.92 (rev.Mar.93) | |
| | 554M | Reservoir Water Quality Studies Interim Report Sept. 92 | |

APPRAISAL OF THE SOUTHERN HIGHLANDS & DESERT IRRIGATION SCHEME

Client: Min.of Agric./Ministry of Overseas Development

Finance: Ministry of Overseas Development

Companies: HTS/MMP

Reports

- | | | | |
|----|------|--|---|
| 78 | 332 | A. Policy & management for development | F |
| | 332A | B. The Abu Lisan scheme | F |
| | 332B | C. The Waheide scheme | F |
| | 332C | D. The Abu Maktoub scheme | F |
| | 332D | E. The Qatrana extension scheme | F |
| 78 | 331 | Appraisal & feasibility study of pilot dairy farming in the Jordan Valley
Client: Min.of Agric./Ministry of Overseas Development
Finance: Ministry of Overseas Development
Company: HTS | F |

KERAK-HASA GROUNDWATER IRRIGATION PROJECT

Client: Jordan. National Resources Authority.

Company: HTS

- | | | | |
|----|-----|----------------------------|---|
| 68 | 132 | Vol.2. Soils & agriculture | F |
|----|-----|----------------------------|---|

WADI YUTM

Client: Jordan. Central Water Authority

Companies: HTS/MMP

- | | | | |
|----|-----|--|---|
| 66 | 93A | Report on the water supply potential of the Wadi Yutm | F |
| | 93B | Report on a geophysical survey of the Lower Wadi Yutm south Jordan | F |

HYDROGEOLOGICAL SURVEY OF THE MADABA-MAAN AREA

Client: Jordan.Central Water Authority

Companies: HTS/MMP

65	92A	Vol.1. Hydrology of the Madaba-Hasa area	F
	92B	Vol.2. Hydrology of the Hasa-Maan area	F
	92C	Vol.3. Groundwater recharge	F

MUJIB PROJECT

65	89A	Interim report on the semi-detailed soil & land classification of S.E. Dead Sea area: Ghor Haditha to Ghor Feifa	F
66	89B	Pt 1. Conclusions & recommendations Pt 2. Agricultural report Pt 3. Semi-detailed soil & land classification survey	F
	89D	Appendix. Soil & water laboratory test results	F

MUJIB & SOUTHERN GHORS IRRIGATION PROJECT

69	89F	Vol.1. Summary report	F
	89G	Vol.3. Feasibility studies. Pt 2. Wadi Mujib diversion Pt 3. Reappraisal of soils & agriculture Pt 4. Flood protection & irrigation works, benefits & recommendations	F
	89H	Vol.3. Pt 6. Storage on the Wadi Hasa	F
73	89K	Up-dated report	F
	89L	Report on semi detailed soil & land classification survey of the proposed Mujib extension area: South east dead sea area	F

MICROPALAEONTOLOGY & STRATIGRAPHY OF VARIOUS SECTIONS

64	196A	Vol.1.	F
63	196B	Vol.2.	F

WADI DHULEIL IRRIGATION PROJECT

Client: Jordan.Central Water Authority

Companies: HTS/MMP

64	81B	Stage 1. Preliminary report on the hydrogeological investigations	F
	81C	Stage 3 report. Hydrology	F
	81D	(Full report)	F
	81E	Dhuleil report on geology	F
	81F	Detailed soil classification	F

EAST BANK JORDAN WATER RESOURCES

Client: Jordan Central Water Authority

Companies: HTS/MMP

Reports

65	70A	1. Preliminary report on the Madaba River Zerqa area 6.Additional well locations for the Zerqa municipality	
	70M	12. Diversion of the Madi Mujib	F
	70D	Vol.1. Summary report	F
	70E	Vol.2. East Ghor Dide Wadis	F
	70F	Vol.3. Southern Wadis	F
	70G	Vol.4. Pt 1. Hydrology & sediment Pt 2. Floods	F
	70H	Vol.5. Spring development	F
	70I	Vol.5. Appendix B. Inventory of springs	F
	70J	Vol.6. Pt 1. Hydrogeology Pt 2. Groundwater recharge	F
	70K	Vol.6. Pt 3. Hydrology maps	F
	70L	Vol.6. Appendix. Stratigraphic micropaleontology	F

56 9 Report on the range classification survey

F

9A Range classification key

Client: Dept for Range & Water Resources Dev./US.Joint Fund for
Special Economic Assistance

Finance: Government of Jordan/USJFSEA

Company: HTS

KENYA

SOLAR ENERGY PILOT PROJECT, LAKE TURKANA: FISHERIES SURVEY

Client: Consorzio G/G.Gilco

Companies: HTS/MacAlister Elliot

- | | | | |
|----|------|------------------------------|---|
| 88 | 644A | General report & conclusions | F |
| | 644B | Marketing study | F |
| | 644C | Pilot plant location report | F |
| | 644D | Socio-economic report | F |

- | | | | |
|----|------|--|---|
| 87 | 634A | Agro Development Company: appraisal report.
Contains appedix 3. Rapid reconnaissance soil surveys
of part of Taveta Estates, by C. English
Client: Commonwealth Development Corporation | F |
|----|------|--|---|

SOIL RESOURCES OF THE ARBOR AREA, KERIO VALLEY

Company: HTS

- | | | | |
|----|------|-----------------------|---|
| 87 | 631A | Reconnaissance survey | F |
|----|------|-----------------------|---|

FINAL DESIGN FOR THE MULTIPURPOSE UTILIZATION OF THE WATERS OF THE KIMWARER RIVER

Client: Kenya. Kerio Valley Development Authority

Company: G & G

Pilot Project Soil Survey & Agronomy Study. Final Report

- | | | | |
|----|------|---|---|
| 86 | 611A | Agronomy study | F |
| | 611B | Detailed soil survey & irrigability classification of
selected sites | F |

Main Project Soil Surveys & Agronomy Study. Final Report

- | | | | |
|--|------|--|---|
| | 611C | Agronomy study | F |
| | 611D | Detailed soil survey & irrigability classification of selected sites | F |
| | 611E | Reconnaissance report. Soil reconnaissance study | F |

ENGINEERING & MANAGEMENT STUDY

Client: Min.of Agric. Agricultural Mechanisation Services Branch

Company: NIAE. Overseas Division

- | | | | |
|----|-----|--|---|
| 83 | 538 | Short term study of Agricultural Mechanisation Services
Branch, Ministry of Agriculture | F |
|----|-----|--|---|

TURKWELL GORGE MULTIPURPOSE PROJECT

Client: Kenya.Ministry of Water Development

Companies: Norconsult/HTS

- | | | | |
|----|-----|---------------------|---|
| 78 | 355 | Soils investigation | F |
|----|-----|---------------------|---|

ARID LANDS PROJECT MT KULAL

Client: UNESCO/UNEP.Arid Lands Project

Finance: UNESCO

Company: HTS

- | | | | |
|----|-----|---|---|
| 77 | 325 | Report of a short term consultancy on the grazing ecosystem | F |
|----|-----|---|---|

BURA IRRIGATION SETTLEMENT PROJECT

Finance: Ministry of Overseas Development

Companies: HTS/E.Afr.Eng./Wawen/Project Group Int.

- 77 316 Report on review of designs for Nanigi Diversion Weir Draft F
316A Report on review of designs for Bura West irrigation system. Draft F

Planning Report

316B Vol.1. Main report. Draft F

Room copy ✓ 316C Vol.2. Annexes. Draft F

Soils

Hydrology

Agricultural planning

Room copy ✓ 316D Vol.3. Annexes. Draft F

Livestock

Fisheries

Wildlife & ecology

Forestry

316E Vol.4. Annexes. Draft F

Sociology & settlement

Public health

Institutions & services

316F Vol.5. Annexes. Draft F

Village planning & design

Housing & buildings

Utility services

Processing

316G Vol.6. Annexes. Draft F

Principles & criteria for development

Organisation management & training

Project costs

Economic & financial analysis

Bura West Phase 1.

81 316K An economic review-1981 F

316L Contract No.15\B Supply of major plant F

No.15\C Supply of minor plant & vehicles

316N Contract No.16\A Supply of tractors F

No.16\B Supply of agricultural plant

No.16\C Supply of mobile workshop & lubrication unit

No.16\D Supply of trailers

Bura East

316I Contract No.BE1 Topographical survey No.BE2 Aerial photography F

81 316R Submission No.W12 Project economic review F

84 316S Mid term evaluation 1984. Draft F

316T Mid term evaluation report 1984. Main report. Extract from final.

316U Supply of Agric.Plant. evaluation of tenders

LARGE FARM SECTOR STUDY

Finance: Government of Kenya/IBRD

Companies: HTS/Ward Ashcroft

Large Farm Rehabilitation Study

- | | | | |
|----|------|---|---|
| 77 | 310 | Progress report no.1. | F |
| | 310A | -- : no.2 | F |
| | 310B | --- : no.3 | F |
| | 310C | Vol.1. Summary | F |
| | 310D | Vol.2. Main report | F |
| | 310E | Vol.3. Annexes | F |
| | | A.1. Review of group farms rehabilitaiton project | |
| | | A.2. Farm survey | |
| | | A.3. Social aspects | |
| | | A.4. Production & market prospects | |
| | | A.5. Institutions | |
| | | A.6. Farm credit | |
| | | A.7. Farm budgets | |

TANA RIVER DEVELOPMENT

Finance: UNEP/Tana River Development Authority

Companies: Ward Ashcroft/HTS/Inbucon

- | | | | |
|----|-----|--|---|
| 76 | 290 | Report on upper reservoir pre-construction environmental study | F |
| 59 | 42A | Geology of the north east Kenya concession of Frobisher Ltd | F |
| | 42B | Confidential section on oil prospects in Kenya concession | F |
| | | Company: HTS | |
| | | N.B. A & B bound together at 42A | |

LODWAR FLOOD IRRIGATION PROJECT

Client: Ministry of Works. Hydraulics Section

Company: HTS

- | | | | |
|----|----|--|---|
| 57 | 15 | Report on soil survey, land classification & agricultural capability investigation | F |
|----|----|--|---|

KIRIBATI

BANABA ISLAND RESOURCES SURVEY

Client: Kiribati/Overseas Development Administration

Finance: Overseas Development Administration

Companies: HTS/etc

- | | | | |
|----|------|-----------------------------------|---|
| 81 | 440B | Banaba Island photographs | |
| | 440C | Vol.1. Final report | F |
| | 440D | Vol.2. Appendices to final report | F |
| | | incl. A.E. Geology | |
| | | A.F1. Climate | |
-

KUWAIT

SUBIYA NEW TOWN & BUBIYAN ISLAND

Client: Kuwait Ministry of Planning

Finance: Government of Kuwait

Companies: Dar al Handash/HTS

82	527C	Vol.1. Issues	F
	527	Vol.3. Subiya development scenarios	F
	527A	Vol.4. Bubiyan Island development proposals	F
83	527B	Bubiyan Island : identification of development options	F

UTILIZATION OF TREATED SEWAGE EFFLUENT IN AGRICULTURE

Finance: Government of Kuwait

Companies: HTS/Clouston

Master Plan. Draft

78	358	Vol.1. Main report	F
X	358A	Vol.2. Main report : figure	
		Effluent & sludge availability	
		Land availability & current uses	
		Site resources & constraints	
		Alternative uses of effluent	
		Current & possible land use practices	
		Single purpose land use strategies	
		Recommended irrigation systems & layouts	
X	358B	Vol.3. Reports of visiting specialists: Appendices	F
		A.A. Soil characteristics & predicted response to irrigation with treated sewage effluent	
		A.B. Irrigation methods for utilization of treated sewage effluent	
		A.C. Utilization of treated sewage effluent for irrigated forage production	
		A.D. Utilization of treated sewage effluent for horticulture	
		A.E. Forestry development for the utilization of treated sewage effluent	
	358C	Vol.5. Soil survey report 1	F
	358D	Vol.6. Soil survey report 2	F

LAO

**THE FIRST NATIONAL INTEGRATED EXTENSION & RESEARCH
PROJECT: NIERP-I**

Asian Dev. Bank T.A.No.1765-Lao

Client:ADB

Companies:HTS/Hassell

- 93 811 Reconnaissance report Jun. 93
811A DRAFT Final Report Vol.1 Jun. 93
811B DRAFT - - - 1 Appendices Jun. 93
811C Final Report Vol.1 Aug.93
811D Final Report Vol.2 - -
811E Final Report Appendices Aug.93
811F DRAFT Final Report Vol.2 Jul.93
811G Final Report Survey of Perceptions & Data Availability
on Environment issues & Watershed Management
- 811H Report written in 'Lao'
811I Report written in 'Lao'
- 811J Consultancy activities undertaken by I.S. MacDonald
Apr.25 - 21 Jun.93
- 94 811K Initial Environmental Examination Mar. 94

**INVESTIGATIONS OF LANDS WITH DECLINING & STAGNATING
PRODUCTIVITY**

- 86 640D Laos : country report

LESOTHO

HIGHLANDS WATER PROJECT

Resettlement & Development Study

- 95 852 Phase 1B Socioeconomic Census Report Vol.1 Main report
852A Progress Report No.2
852B Progress Report No.3
852C Task 1 Report: Vol. 1 Executive Summary
852D " " " 2 Main report Nov.95

SMALL SCALE IRRIGATED VEGETABLE PROJECT (SSIVP)

Client: Government of Lesotho Min. of Agric. & Cooperatives

Company: HTS

- 91 764A Evaluation & preparation of phase 2. Draft report
764B Evaluation & preparation of phase 2. Final report

SADCC: WATERSHED MANAGEMENT PILOT PROJECT

Client: Lesotho Ministry of Agriculture & Marketing

Finance: EEC

Company: HTS

- 89 684A Final report F

AGRICULTURAL DEVELOPMENT PLANNING SEMONKONG

Finance: Kreditanstalt fur Wiederaufbau

Company: HTS

- 86 589A Report on evaluation study of Semonkong Agricultural Development Pilot Project,
& Semonkong agricultural main project proposals
589B Evaluation of proposals for an Agricultural Development F
Project in Semonkong. Final report
76 285 Proposals for a basic agricultural services development F
programme in Lesotho

STUDY ON WATER RESOURCES DEVELOPMENT

UNDP/IBRD

Company: Binnie

- 69 158A Report on a visit to Lesotho F
158B Inception report F
158C Interim report F

Feasibility Report

- 71 158D Report F
158F Drawings 1-10
158E Appendices F
158G Appendices drawings B1, G1, J1-J7

Inventory Report

- 158H Vol.0. Summary F
158H1 Vol.1. Hydrology F
158I Vol.2. Geology F
158S Vol.2. Geology Book 1 Drawings
158T Vol.2. Geology Book 2 Drawings
158U Vol.2. Geology Book 3 Drawings
158J Vol.3. Soils F
158W Vol.3. Soils drawings
158K Vol.4. Irrigation F
158L Vol.4. Irrigation appendices F
158Y Vol.4. Irrigation drawings
158M Vol.5. Town water supplies F
158N Vol.6. Village water supplies F
158O Progress reports, October, Nov. 1969 Feb., Mar. 1971 F

LIBYA

MARADA CHEMICAL COMPLEX

Client: General National Organisation for Industrialisation

Company: Tractionel

78	339	Geological & hydrogeological report	F
	339A	--- : appendices Incl.A.1. Climate data	F
	339D	--- : addendum	F
	339E	--- : revised addendum	F
	339B	Report on site investigations	F
	339C	Price inquiry for brine pumping & geological tests	F
	339G	Stage 1. Final report. Phase 1. Summary, conclusions	F

AGRICULTURAL DEVELOPMENT OF THE GAFARA REGION

Client: Libya Ministry of Agricultural Development

Companies: HTS/MRT

73	486	Report	F
----	-----	--------	---

BIR-EL-GHNEM DEVELOPMENT SCHEME

61	51A	Report on preliminary study incorporating proposals for definitive studies	F
	51B	Determining the groundwater potential of the Bir-El-Ghnm area, Tripolitania, by H. Piper	F
63	51C	Phase 1 interim report	F
	51D	Report on resistivity survey	F
64	51E	Report on Phase 1 investigations	F
	51F	Analysis of representative soil samples	F

MADAGASCAR

ETUDE DE REHABILITATION DE PERIMETES RIZICOLES

Client: Malagasy.Ministere de la Production Agricole et de la Reforme Agraire.

Companies: HTS/MMP

83	526A Rapport d'expertise	F
	526K Rapport general de synthese	F
	Rapport Sur le Projet d'Amenagement	
	526B Vol.1. Presentation generale	F
	Vol.2. Dossiers Techniques	
	526H Perimetre 1. Manombo-Ranozaza	F
	526C Perimetre 2. Dabara-Hellot	F
	526D Perimetre 3. Ambila-Manakara	F
	526I Perimetre 4. Mahavavy	F
	526E Perimetre 5. Katsaoka-Ambihimandry	F
	526F Perimetre 6. Behirijy-Mafaijjo	F
	526J Perimetre 7. Andilamena	F
	526G Perimetra 8. Antetezantona	F
	526L Annex 1. Rapport sur les etudes socioeconomique	F
	526M A.2. Rapport sur les etudes socioeconomiques	F
56	3 Report on a geological photo-interpretation of an area in Madagascar	F
	Client: Societe Anonyme de Prospection Aeroportee	
	Company: HTS	

MALAWI

ADDFOOD

- 93 833 Anthropometric Survey Nov.93
833A Beneficiary Assessment Survey Dec.93
- 94 833B Socio Economic Survey 91& 93 Report Mar.94
833C Yield Study 1993/94
- 95 833D PAP Pilot Project Agroforestry : Annual Work Plan /Cost Estimate Apr.95-Mar.96
833E PAP Pilot Project Agroforestry Jul. - Sept.95

KASUNGU WATER RESOURCES & IRRIGATION POTENTIAL STUDY

Client: Dept. of Agric. Min. of Agric.
Company HTS

- 790A Phase 1: Identification report Vol.1 Main report
790B -- 1: -- -- -- Vol.2

AGRICULTURAL SERVICES PROJECT

- 789A Working paper No.1 Sectoral background & analysis
789B Working paper No.4 Agricultural extension

A CASE STUDY FROM MALAWI

- 785A The extension of agroforestry for improving soil fertility
in small-holder agriculture with a maize based cropping
system: Philip C W Franks

IRRIGATION STUDY

Client: Malawi. Ministry of Irrigation
Companies: HTS/MMP

Phase 1 Pre-Feasibility Studies Final Report

- 85 568A Report. Draft F
568B Appendices. Draft F
incl. B. Soils
C. Agriculture
568C Appendices D & K Draft F

Phase 2 Feasibility Study Final Report

- 86 568D Vol.1. Main report F
568E Vol.2. Annexes. A. Terms of reference for Phase 2 F
A.B. Soils
A.C. Agriculture
A.F. Alumenda pilot scheme
A.G. Large scale development in Lower Shire Valley
A.H. Social studies
A.I. Economic aspects, marketing & prices
A.J. Economic & financial analysis
A.K. Supporting data on engineering cost estimates

	568F	Vol.3.	A.D1. Irrigation schemes: Lufira	F
	568G	----	A.D2. ---- : Wovwe	F
	568H	----	A.D3. ---- : Hara	F
	568I	----	A.D4. ---- : Limphasa	F
	568J	----	A.D5. ---- : Bua	F
	568K	----	A.D6. ---- : Mpantha	F
	568L	----	A.D7. ---- : Lifuwu	F
	568M	----	A.D8. ---- : Domasi	F
	568N	----	A.D9. ---- : Khanda	F
	568O	----	A.D10. ---- : Njala	F
	568P	----	A.D11. ---- : Likangala	F
	568R	----	A.D12. ---- : Nkhate	F
	568S	----	A.D13. ---- : Kasinthula	F
	568T	----	A.D14. ---- : Muona	F
	568U	Vol.4.	A.E. Self help schemes	F
	568V	Vol.5.	Maps	
85	568W		Corrigenda	F
	568X		Monthly progress reports Oct-Dec 84	F
	568Y	----	May-Aug 85	F

LAKESHORE RURAL DEVELOPMENT PROJECT

Client: Malawi

Finance: EEC

Companies: HTS/MMP

82	491		Evaluation study of LRDP : final report	F
79	491B		Workplan & budget 1979-80	F
	491K		Salima Rural Development Project work plan 1986-87	F
	491A		Contract completion report for the Financial Controller technical assistance	F
			N.B. B & K bound together at 491B	

Quarterly Reports

491E Oct-Dec 79, Jan-Jun 80

491F Jul-Sept 80

F
F

Annual Reports

491C 1979-80

491G 1980-81

F
F

Salima Lakeshore Project. Land Use Planning Study

83	491H		Final report	F
----	------	--	--------------	---

SLADD Phase 4 Project

	491J		Half yearly report Apr-Sept 85-Apr-Sept 86	F
	491I		Biannual report Apr 83-Mar 85	F
	491R		Annual report 1984-85 Apr 86-Mar 87	F
	491N		Monthly report Aug. 85	
	491P		Monthly report Sept. 85	
	491V		Proposals for agricultural surveys from 1985-86	F
	491W		Bwanje Valley Rural Development Project work plan 1986-87	F
	491X		Summary report of the activities of the Evaluation	F
			Officer in post from Jan. 1985 to Dec. 1987	
88	491M		Review of SLADD 4 smallholder irrigation development, by A. May	F

Evaluation Working Papers

- 491T 01\1985 An analysis of yields by husbandry practices for local & composite maize varieties for the 1983-84 cropping season F
03\1985 Indicative gross margin & returns to labour calculations for major crops for the 1983-84 to 1985-86 seasons
01\1986 Extension contacts bu holding size category for the seasons 1982-83 to 1984-85

ESTATE CREDIT STUDY

Client: Office of President. Economic Planning Division
Finance: EEC
Companies: HTS/Coopers & Lybrand

- 81 480 Final report F
480A Mid term progress report F

NATIONAL & SHIRE IRRIGATION PROJECT

Client: Malawi Ministry of Irrigation
Finance: IBRD
Companies: HTS/MMP

- 80 425 1st interim report F
425A --- : annexes F
425B 2nd interim report F
425C --- : annexes F

Final National Report

- 425Q Report F
425E Annexes A. Terms of reference F
B. Surface water resources & hydrology
C. Groundwater
425F Annex D. Soils & land classification F
425G Annex D. Soils & land classification maps F
425H Annex E. Review of existing irrigation F
425I Annexes F. Irrigation agronomy F
G. Market prospects & prices
H. Development of the agricultural sector
425J Annexes J. Social aspects F
K. Management & institutions
425K Annexes L. Engineering aspects F
M. Drainage
N. Economic aspects

Lower Shire Report

- 425R Final report F
425M Annex 1. Soils & land classification of pilot scheme sites
425N A.2. Engineering aspects of the pilot schemes F

Estate Diversification Study

- 425O Main report F
425P Annexes F
Incl. A.A. Climate
A.F. Crop agronomy
82 425T Memorandum on groundwater irrigation potential F
425U Addendum on groundwater irrigation potential F
67 120 Appraisal report on the Lower Shire Valley rainfed agricultural development project F
Finance: African Development Bank

57

12 Soil survey & land classification report of the Elephant
Marsh area, Lower Shire Valley
Client: Halcrow
Finance: Government of Rhodesia & Nyasaland
Company: HTS

F

MALAYSIA

ERS-1 PILOT PROJECTS

Client: MACRES,PRI,FRIM.

Company: HTS

771A Demonstration of ERS-1 as an operational tool in malaysis

QUALITY CONTROL SERVICE FOR THE ACQUISITION & PROCESSING OF SYNTHETIC APERTURE RADAR (SAR) DATA OVER SABAH & SARAWAK, EAST MALAYSIA

Client: Petronas

Company: HTS

91	722A	1st, 2nd, 3rd & 4th QC visit reports	F
92	722B	5th QC visit report	
	722C	6th QC Visit report Sept.92	
	722D	Report to the SAR acquisition contractor	

GROUNDWATER RESOURCES FOR AGRICULTURAL USE

Client: Malaysia.Ministry of Agriculture

Company: MMP

82	519	Progress reports Aug, Nov 82, Feb 83	F
	519A	Supplementary report	F
	519B	Exploration & development manual	F
	519C	Area investigations	F
	519D	Drilling manual	F

UPGRADING OF IRRIGATION & DRAINAGE SCHEMES IN BALIK PULAU & SEBERANG PERAI PULUA PINANG

Client: Kementerian Pertanian Malaysia

Companies: Binnie dan Rakan/HTS

81	509E	Inception report	F
	509F	Interim report for Seberang Perai	F
	509G	Interim report for Balik Pulua	F

Final Report

82	509	Vol.1. Balik Pulua	F
	509A	Vol.2. Seberang Perai	F
	509B	Vol.3. Annex A. Hydrology & water resources A.B. Hydrogeology	F
	509D	Vol.4. A.C. Soils A.D. Sociology A.E. Agriculture	F
	509C	Vol.5. A.F. Engineering A.G. Economics	F

DEVELOPMENT OF PRODUCTION WELLS IN KEDAH & PERLIS

Client: Malaysia.Ministry of Works & Public Utilities

Companies: GDC/Jurutera

81	463	Inception report	F
82	463A	Interim report	F

SABAH REGIONAL PLANNING STUDY

Client: Malaysia & Sabah

Finance: Overseas Development Administration

Companies: HTS/Brammah/Fraenkel/PE Int.Operations

- | | | | |
|----|------|---|---|
| 79 | 403C | Economic aspects of rice production: discussion paper | F |
| | 403D | Inception report | F |

Final Report

- | | | | |
|--|------|------------------------------|---|
| | 403G | 1. The development plan | F |
| | 403H | 2. Productive sector studies | F |
| | 403I | 3. Service sector studies | F |
| | 403J | 4. Prefeasibility studies | F |
| | 403K | Executive summary | F |

TRENGGANU TENGAH REGIONAL PLANNING & DEVELOPMENT

Client: Malaysia

Finance: Government of Malaysia

Companies: HTS/Shankland Cox

- | | | | |
|----|------|--|---|
| 74 | 235A | Inception report | F |
| | 235B | Interim report | F |
| | 235C | ---: appendices & maps | F |
| | 235D | Vol.1. Introduction & summary | F |
| | 235E | Vol.2. The resources base | F |
| | 235F | Vol.3. Sectoral planning guide | F |
| | 235G | Vol.4. Manpower, infrastructure, implementation & evaluation | F |

MIRI BINTULU REGIONAL PLANNING STUDY

Client: Malaysia & Sarawak

Finance: Malaysia/Ministry of Overseas Development

Companies: Hoff & Overgaard/HTS

- | | | | |
|----|------|-------------------------------------|---|
| | 227A | Summary report | F |
| 74 | 227C | List of contents of main report | F |
| | 227D | Main report Vol.1. | F |
| | 227E | ---: Vol.2. | F |
| | 227F | ---: Annexure 1. Invisible projects | F |
| | 227G | ---: A.2. Development packages | F |

Supporting Reports

227H	1. Climate, hydrology & land resources	F
227I	2. Agriculture. Pt 1. Planning of agricultural development	F
227J	2. Agriculture. Pt 2. The agriculture plan	F
227K	2. Agriculture. Pt 3. Agricultural production services	F
227L	2. Agriculture. Pt 4. The selection & management of crops for development	F
227M	2. Agriculture. Pt 5. The development of inland fisheries & management	F
227N	3. Forestry & conservation	F
227O	4. Sociology. Pt 1. Summary & recommendations	
227P	4. Sociology. Pt 2. Field reports	F
227Q	5. Population settlements & infrastructure	F
227R	6. Planning standards for services & infrastructure	F
227S	7. Transport	F
227T	8. Industries & private services	F
227U	9. Economy & finance	F
227V	10. Project forms & phasing	F
227W	Resources map folder Incl. Terrain, Soils, Land capability	F
227AA	Zonation plan	F
227AB	Perspective plan	F

Association Papers

227AC	Land use: forestry or agriculture-an economic approach	F
227AD	Development strategies: interim report	F
227AG	Alternative strategies for rural development: interim report	F
227AH	Present state characteristics of the study area	F
227AN	The human factor in development	F
227AE	Progress report no.5.	F
227AF	Report on initial visit by hydrologist	F
227AJ	Memo on urbanisation of rural areas	F
227AK	Miscellaneous papers	
227AM	Project paper no.1. Development of beef production in the Miri Bintulu study area	F

Working Papers

72. 227AO 1. Population figure 1964 & enumeration area 1970 in study area
2. Demand for rice in Sarawak
3. Health services in Fourth Division
4. Demand for beef in Sarawak
5. Market for oil palm products
6. market review for rubber
7. Educational facilities in Fourth Division
8. Standards for beef cattle calculation
9. market for cocoa
10. Market for sugar
11. general
12. Pepper
14. Market for essential oil crops
15. Rice marketing chain in Fourth Division
16. Rubber marketing chain in Fourth Division
17. Liquefaction of natural gas or liquified natural gas
19. Water transport
20. Land transport
22. Price development 1967-71
- 227AP 23. Pork consumption & production
24. Poultry production prospects & feed requirements in Sarawak
25. Market prospects for bananas
26. Occupation structure in the study area 1970
27. Review of internal marketing channels for Sarawak pepper
28. Prospects for fishery development
29. Price development 1967-1971
30. Report of the socio-economic survey of a Kedayan community at Kampong Selanyau
31. Wage structure of the public sector
32. Employment & population multipliers
33. Population & labour 'key figures'
34. Population, growth & urbanization
35. Commonwealth Development Corporation labour force survey
36. Public sponsored investment incentives in sarawak
37. Wage developments in the study area & assessment of the local wage as a computation factor
38. The study area - an economic model
39. Introduction to the sociological working papers

- 227AR 40. Temedak new town
 41. Water transport in & to\from the study area
 42. Sample surveys of the road & water transport in the study area
 43. Report of the sociological study of urban Malays in Miri
 44. Socio-economic survey of the Riam road Chinese community
- 227AS 45. Land tenure & the land code
 46. Road administration & construction in Sarawak
 47. Airport development in the study area
 48. An evaluation of settlement patterns
 49. Organisational machinery for planning & implementing rural development
 50. Some social & financial problems in rural development
 51. Inland fisheries
 52. Social survey of the Lambir land development scheme
- 227AT 53. Report of the sociological study of the labour force at Bukit Peninjau oil palm estate
 54. Report of the sociological study of urban Malays in Miri
 55. Truck transport costs
 56. Agricultural production services
 57. Land rent
 58. Sewerage schemes for Bintulu

JOHOR PRT DEVELOPMENT

70 184 Feasibility study F

JOHOR TENGGARA

Client: Malaysia

Finance: Ministry of Overseas Development

Companies: HTS/Binnie/Univ. East Anglia. Overseas Development Group/Shankland Cox

69 183U Initial hydrological report F

71 183B Draft project report and Supporting reports F
 11. Objectives
 12. Alternative strategies

183A Regional master plan F

Regional Master Plan Supporting Reports

183C	2. Land resources	F
183D	3. Water resources	F
183E	4. Sociology	F
183F	5. Conservation & forestry	F
183G	6. Agriculture Pt 1.	F
183H	6. Agriculture Pt 2. Programme	F
183I	6. Agriculture Pt 3. Dairy cattle multiplication scheme	F
183J	7. Tourism	F
183K	8. Settlements, communications & services	F
183L	9. Organisations	F
183M	Atlas	F
183N	Map folder	
	Land use potential	
	Terrain classification	
	Soils	
	Forest productivity	

Johor Tengah & Tanjong Penggerang Regional Master Plan. Working Papers

183A WP	Fruits & vegetables	F
183B WP	Goats	F
183C WP	Beef	F
183D WP	Coconuts	F
183E WP	Comparison of rubber & oil palm	F
183F WP	Development of mixed enterprise holdings	F
183G WP	Pepper	F
183H WP	Economic & financial evaluation of the master plan	F
183I WP	Poultry	F
183J WP	Pineapples	F
183K WP	Meat marketing in Johor	F
183L WP	Oil palm	F
183M WP	Rubber	F
183N WP	Settlement in & around the project area	F
183O WP	Pigs	F
183P WP	Estates under public sector auspices	F
183R WP	Objectives, policy issues & appraisal methods	F
183S WP	Short term rotation crops	F

Johor Tengah & Tanjong Penggerang Regional Master

Plan. Working Papers

183A WP	Fruits & vegetables	F
183B WP	Goats	F
183C WP	Beef	F
183D WP	Coconuts	F
183E WP	Comparison of rubber & oil palm	F
183F WP	Development of mixed enterprise holdings	F
183G WP	Pepper	F
183H WP	Economic & financial evaluation of the master plan	F
183I WP	Poultry	F
183J WP	Pineapples	F
183K WP	Meat marketing in Johor	F
183L WP	Oil palm	F
183M WP	Rubber	F
183N WP	Settlement in & around the project area	F
183O WP	Pigs	F
183P WP	Estates under public sector auspices	F
183R WP	Objectives, policy issues & appraisal methods	F
183S WP	Short term rotation crops	F
183Q WP	Inland Fisheries	F

JENGA TRIANGLE

Client: Malaysia.Federal Land Development

Finance: Government of Malaysia

Companies: HTS/TAMS

67	107A	Outline master plan	F
	107B	Resources & development planning	F
	107C	Appendices	F
		Incl.A.2. Climate	
		A.3. Geology & geomorphology	
		A.4. Soils	
		A.5. Forests	
		A.6. Vegetation	
		A.7. Water resources	
		A.10. Forest utilisation	
		A.11. Crop selection & agricultural land use	
	107D	Map annexure	F
		Incl. Land classification	
		Land forms	
		Soil survey	
	107E	Comments of NRD, LDA & EPU AND	F
	107F	Jenka stage 2. Palm oil mill capital & operational expenses	F

MUDA RIVER PROJECT

Client: Malaysia.Ministry of Agriculture & Cooperatives

Companies: HSL/Halcrow

83	368	Report on the field survey control & photogrammetric mapping	F
----	-----	--	---

MAURITANIA

56	2	Report on a preliminary photogeological interpretation of the Atjoyit area	
	2A	Rapport d'interpretation photogeologique region d'Akjoujt	F
	2B	Report on a geological & geophysical survey of the Akjoyit region. MICROFICHE COPY ONLY	F
		Client: Bureau Miniere de la France d'Outre Mer	
		Company: Hunting Aerosurveys	

MAURITIUS

RODRIGUES ISLAND

Mauritius/Overseas Development Administration
Company: HTS

- 74 232 Land & water reconnaissance to establish the potential
for agricultural development F

ODA STUDY DEVELOPMENT OF WATER SUPPLIES

Client: Mauritius
Finance: ODA
Companies: John Taylor/Economic Consultants

Master Plan Study 1973

- 73 320A Vol.1. Report F
320B Vol.2. Appendix A. Demand projections F
320C Vol.3. Appendices B to L F

Feasibility Studies

- 74 320D Vol.1. Report. Port Louis water supply project Mare aux
Vacoas water supply project Districts water supply project F
320E Vol.2. Engineering geology of the Baptiste & River F
du Poste\Citron reservoir sites
320F Rodrigues water supply F

GROUNDWATER RESOURCES

Client: John Taylor & Sons
Company: HTS

- 73 222 Internal report F

NORTHERN PLAINS IRRIGATION PROJECT

Client: Mauritius/Overseas Development Administration
Finance: Overseas development Administration
Companies: HTS/MMP

- 72 197A Stage 1 report F
197G Report on first years operation 1973-74 F
197B Summary & main report F

Supporting Reports

- 197C 1. Engineering & hydrology F
197D 2. Geohydrology F
197E 3. Agriculture & economics F
197F 4. Dams & hydro-electric F
84 197H M1 pipeline study: final report F

MONSERRAT

- 71 174 Agricultural credit F
Client: Montserrat
Finance: ODA
Company: HTS

MOZAMBIQUE

POVERTY OPTIONS IN MOZAMBIQUE

92 784A Strategy Options for future UK aid. Sue Fleming/Colin Barnes

COMMERCIAL JOINT VENTURE INHAMBANE PROVINCE

91 765A Feasibility study

INHASSUNE/RAMALHUSCA PROJECT

Client: Secretaria de estado de Algodão

Finance: African Development Bank

Company: HTS

89 682A Vol.1. Final report AND Vol.2. Appendices F

90 682B Visit of Supervisory Livestock Consultant:
Report by R.Gilmour

COTTON SUB SECTOR STUDY

Client: Mozambique.Ministry of Agriculture

Finance: World Bank

Companies: HTS/British Cototn Growing Association

87 639A Final report F

CITRUS DEVELOPMENT PROJECT, MAPUTO PROVINCE

Client: Mozambique.Empresa Estatal de Citrinos de Maputo

Company: MMP

83 530A Preliminary report F

530B Soils report (additional duty) F

Contracts

530C CM3 Supply & installation of sprinkler equipment F

530D CM4 Supply of agricultural plant & vehicles F

530E CM5 Supply & installation of packing plant machinery F

PROJECTO DE DESENVOLVIMENTO DE CITRINOS EM MAGUDE, PROVINCIA DE MAPUTO

83 530 Relatorio preliminar F

ELEFANTES RIVER INTEGRATED CROP PRODUCTION PROJECT

Client: Secretary of State for the Limpopo & Incomati Region

Finance: Kuwait Fund for Arab Economic Development

Companies: MMP/HTS

81 477 Feasibility study. Inception report F

477B - - - : Interim report F

82 477C Progress report F

477A Relatorio de inicio F

477D Relatorio de interino F

ELEFANTES RIVER PROJECT RIGHT BANK

Client: Secretary of State for the Limpopo & Incomati Region

Companies: MMP/HTS

Feasibility Study

82	475E	Main report	F
	475F	Annex 1. Soils & vegetation	F
	475G	Annex 2. Climate	F
		A.3. Agriculture	
		A.4. Livestock	
	475H	Annex 5. Engineering	F
	475I	Annex 6. Population & socio economic conditions	F
		A.7. Marketing & marketing prospects & prices	
		A.8. Economics	
		A.9. Organisation & management	
	475K	Summary	F
86	475V	Costs & economics updating study. Main report	F
		A.A. Market prospects & prices	
		A.B. Costs	
		A.C. Economic & financial analysis	

PROJECTO DO RIO ELEFANTES MARGEN DIREITA (RIGHT BANK)

Estudo de Viabilidade

82	475A	Relatorio principal	F
	475	Anexo 1. Solos e vegetacao	F
	475B	Anexo 2. Clima	F
		A.3. Agricultura	
		A.4. Pecuaria	
	475C	Anexo 5. Engenharia	F
	475D	Anexo 6. Populacao e condicoes socio-economicos	F
		A.7. Comercializacao e perspervas	
		A.8. Economia	
		A.9. Organizacao e gerencia	
	475J	Sumario	F
	475L	Chapas	

ELEFANTES RIVER PROJECT LEFT BANK

Feasibility Study

83	475N	Main report	F
	475O	Annexes	F
	475P	Summary	F

PROJECTO DO RIO DOS ELEFANTES MARGEN ESQUERDA (LEFT BANK)

Estudo de Viabilidade

83	475Q	Relatorio principal	F
	475R	Anexos	F
	475S	Sumario	F
	475T	Mapas Chapas 1-10	
	475U	Desenhos Chapas 11-20	

NEPAL

THE SEED SECTOR SUPPORT PROJECT

Client: ODA

Companies: HTS/Metcon

- 849 Appraisal Report (First draft) Feb.95 (Kathmandu Version)
- 849A Appraisal Report Draft Feb 95
- 849B Appraisal Report Jun.95 Final Report

ASSESSING THE POTENTIAL FOR ODA ASSISTANCE TO AGRICULTURE IN THE MIDDLE HILLS OF NEPAL

Client: Government of Nepal/ODA

Companies: HTS/Mott MacDonald/METCON

- 94 830 Developing the seed & planting material sector in Nepal
(A Possible Strategy) DRAFT May 94
- 830A Development of the seed & planting material sector
(A possible strategy) Jun.94
- 830B Final Report Jun.94
- 830C Agricultural development in the hills of Nepal Aug. 94
- 830D Workshop Notes & Comments by RAJ Cox Aug. 94

REASSESSMENT OF THE GROUNDWATER DEVELOPMENT STRATEGY FOR IRRIGATION IN THE TERAI

Client: Government of Nepal Dept. of Irrigation

Companies; Groundwater Dev. Consult./HTS/EAST Consult (P) Ltd

- 93 805 Inception report Mar.93
- 805A 1st Quarterly Report Apr.93
- 805B 2nd -- -- Jul.93
- 805C Strategy Development: a Discussion Paper Jul.93
- 805D Workshop Proceedings Jul.29-30 93 WORKING DRAFT

Final Report Draft

- 93 805E Vol.1 Main Report Oct.93
- 805F Vol.2 Land Resources & Agriculture Oct.93
- 805G Vol.3 Groundwater Oct.93
- 805H Vol.4 Engineering Oct.93
- 805I Vol.5 Economics Oct.93
- 805J Vol.6 Maps see Chris.C for shelf
- 805K Summary Report First Draft Dec.93
- 94 805L Executive Summary Apr.94
- 805M Vol.1 Main Report
- 805N Vol 2 Land Resources, Agriculture & Social Studies
- 805O Vol.3 Groundwater
- 805P Vol.4 Engineering
- 805Q Vol.5 Economics
- 805R Vol.6 Maps see Chris.C. for shelf

NARAYANI III IRRIGATION PROJECT, REMOTE SENSING STUDY

- 93 799 Final report

KALIMATI WHOLESALE MARKET PROJECT

Client: UNDP

Companies: Hall Tracey-White/HTS

- 90 697A Project drafting mission report F

FRESH VEGETABLE & VEGETABLE SEED PRODUCTION PROJECT PROJECT FORMULATION MISSION

Company: HTS

- 89 668A Report, by E.K. Martin F

	KATHMANDU, BIRGUNJ & POKHARA ZONES PILOT PROJECT		
87	628A	Performance monitoring report Sharwon 2044	F
	STUDY OF GROUNDWATER DEVELOPMENT STRATEGIES FOR IRRIGATION IN THE TERAI		
	Client: Dept of Irrigation, Hydrology & Meteorology.		
	Groundwater Resources Development Board		
	Finance: IBRD		
	Company: GDC		
86	604A	Preliminary evaluation report	F
87	604B	Vol.1. Main report	F
	604C	Vol.2. Land resources & agriculture	F
	604D	Vol.3. Groundwater	F
	604E	Vol.4. Engineering	F
	604F	Vol.5. Economics	F
	604H	Summary of 1987 report	F
	604G	Maps:	
		Land Use & irrigation suitability classes - Maps 1-6	
		Hydrogeology-Maps 7-12,	
		Groundwater irrigation development potential -Maps 13-18	
		Kanchanpur, Kailali districts - Maps 1, 7, 13	
		Bardiya, Banke districts - Maps 2, 8, 14	
		Kapilvastu, Rupandehi, Nawalparasi districts-Maps 3,9,15	
		Pansa, Bara, Rautahat, Sarlahi districts - Maps 4, 10, 16	
		Mohartari, Dhanusha, Siraha, Saptari districts - Maps 5, 11, 17	
		Sunsari, Morang. Jhapa districts - Maps 6, 12, 18	
	AGRICULTURAL INPUTS CORPORATION: SECOND CROP INTENSIFICATION PROGRAMME		
	Client: Agricultural Inputs Corporation of Nepal		
	Finance: AIC/Asian Development Bank		
	Company: HTS		
86	593A	Organisation, management & financial consultancy: consultants inception report, by R. Campbell	F
	593B	Zonalisation management & financial information systems preliminary guidelines for the pilot zones	F
	593C	Management information system operational manual	F
	593D	Fertiliser transport study questionnaire enumerators manual	F
	593E	Papers presented at the Tripartite review meeting, Kathmandu, February 1987	F
	593F	Pokhara, Kathmandu & Birgun zones pilot project performance monitoring report, period ending 30th Falgun 2043	F
	593G	Proposed internal auditing manual	
	BAGMATI WATERSHED PROJECT		
	Client: EEC		
	Finance: EEC		
	Company HTS		
84	565A	(Report)	F
	TUMLINGTAR IRRIGATION PROJECT		
	Client: Nepal		
	Finance: O.D.A.		
	Company: HTS		
	Feasibility Study		
84	560A	Vol.1. Main report	F
	560B	Vol.2. Annexes: Engineering, agriculture & environment	F
	560C	Vol.3. Annexes: Sociology, implementation & economics	F
	560D	Addendum. Reduced cost alternative	F

MEDIUM IRRIGATION PROJECT

Client: World Bank

Finance: UNDP

Companies: MMP/HTS

484	Inception report. Vol.1. Main report	F
484A	--- : Vol.2. Appendices	F
484B	Monthly reports nos 2-8, November 1981-May 1982	F
484C	Participatory irrigation management	F

Project Preparation Report

484D	Main report	F
484E	Annexes A-E	F
484F	Annexes F-K	F

Supporting Reports

484G	1. Namdu Khola irrigation project. Planning report	F
484H	1. Drawings	F
484I	2. Khakdol Khola irrigation project. Planning report	F
484J	2. Drawings	F
484K	3. Girwari Khola irrigation project. Planning report	F
484L	3. Drawings	F
484M	4. Socio-economics & agriculture of Khakdol, Namdu & Girwari Khola irrigation projects	F
484N	5. Soils & land classification of Khakdol, Namdu & Girwari Khola irrigation projects	F
484O	5. Soil & land classification maps	F

Final Report

84	484P Main report	F
	484R Annex A. Pt 1.	F
	484S Annexes A Pt 2, to C	F

AGRICULTURAL PROJECTS SERVICE CENTRE

Client: APROS

Finance: Agricultural development Council

Company: HTS

82	499 Study of the organisation, structure, operation management & future development of APROSC	F
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LIVESTOCK DEVELOPMENT PROJECT, VACCINE PRODUCTION UNIT

Client: Nepal

Finance: Asdian Development Bnak

Companies: HTS/Animal Virus Inst./Central Vet.Laboratory

81	478 Inception report	F
	478A Planning report	F
	478B --- : Annex. Building & office plans	F
83	478C Phase 2. Vaccine production component. Inception report	F
84	478D --- : Progress report	F

MICRO-HYDEL & HILL IRRIGATION, EASTERN REGION

Client: Nepal.Ministry of Water Power & Irrigation

Finance: Overseas Development Administration

Companies: MMP/HTS/Preece Cardew

79	398 Hydrological reconnaissance report	F
83	398A Project report. Vol.1. Main report. Draft	F
	398B --- : Vol.2. Annexes. Draft	F
	398C --- : Vol.3. Annexes. Draft	F

SUNSARI MORANG IRRIGATION & DRAINAGE DEVELOPMENT

Client: Dept of Irrigation, Hydrology & Meteorology

Finance: World Bank

Companies: MMP/HTS

79	376A	Inception report	F
	376B	--- : Annex. Agriculture	F
87	376G	Stage 1. Project completion report. Rev. ed.	F
84	376C	Stage 2. Inception report	F
85	376E	Stage 2. Feasibility study. Vol.1. Main report	F
	376F	--- : Vol.2. Appendices	F
	376D	--- : Vol.3. Addendum	F

76	298	Irrigation potential of the area under the command of the proposed Chisapni dam, Karnali River, far western Terai Client: Nepal Finance: UNDP/FAO Company: HTS	F
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76	276A	Soil conservation programme for Lumle & Pakribas agricultural centres Client: Ministry of Overseas Development Finance: Client Company: HTS	F
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75	264	Report on proposal to establish a soil & water conservation centre Client: Nepal Finance: Ministry of Overseas Development Company: HTS	F
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MASTER PLAN FOR THE WATER SUPPLY & SEWERAGE OF GREATER KATHMANDU & BHAKTAPUR

Client: WHO/UNDP

Company: Binnie

71	472A	Initial water resources report, by M. Mansell-Moullin	F
73	472	Vol.2B. Water supply (chapter 4 & appendices 4.1-4.3)	F

NEW GUINEA

- 57 13 Report on the photogeological interpretation of part of the Biaru river area F
Client: Papuan Apinaipi Petroleum
Company: HTS

NICARAGUA

PROYECTO DE APOYO A LA REHABILITACION Y AUTOSTENIMIENTO DEL MUNICIPIO CUA-BOCAY. JINOTEGA

- 94 832 Primer Plan Operativo
832A Informe Semestral & Plan Operativo (Revisado) Nov. 94
95 832B Informe Fisico Financiero
832C Plan Operativo 1995

SIDE LOOKING RADAR SURVEY

Client: Nicaragua
Finance: Government of Nicaragua
Companies: Westinghouse/HGG/HTS/HSL

- 72 506 Report on operations & interpretation of imagery F
65 86A Report on geologic study of two area in north Nicaragua F
86B Estudio geologico de dos areas en al norte de Nicaragua F
Finance: UN Special Fund
Company: HTS

NIGER

- 79 67 Preliminary evaluation of groundwater potential at Tegguidan Tessoum F
Client: Societe de Traction et Electricite
Company: GDC

DALLOL MAOURI PROJECT

Client: FAO
Finance: FAO
Company: HTS

- 69 135A Etudes pedologiques: rapport sur les etudes de la Phase 1 F
135B Soil survey (Translation of 135C) F
70 135C Etudes pedologiques: rapport 2nd, 3rd, 4th phases F
135D Maps 1-10
135E Maps 11-20
58 27 Niamey-Kidal-Agades-Zinder area: report on the interpretation F
of uncontrolled mosaics 1\100,000 to establish a structural
map of the area at a scale of 1\500\000
Client: Compagnie Industrielle des Petroles de l'Afrique Occidentale
Company: SAPA

NIGERIA

OBAN HILLS PROGRAMME

Client: Government of Nigeria

Companies: HTS/O. & E France/GKW Consult

- 94 835 Half year report Jan-Jun.94
835A Annual Report 94
95 835B Butterfly Research Interim Report Mar.95
853H A reconnaissance survey of the elephant population Mar. & Aug. 95
853I Design report
853K Design report Jul.95
853L Design report Annex 4 Drawings

Quarterly Reports

- 835C No1 Jan.-Mar.95
835D No2 Apr.-Jun.95
835E No3 Jul-Sept. 95
835F Jul - Sept.94
835J First Quarterly report May Jun. Jul. 95
835G Workshop 9.-10 Oct. 95
91 762A Satellite photo interpretation of the Gongola basin area,
northeast Nigeria

REPORT ON INVESTIGATION MONITORING, TRAINING DESIGN & REMEDIAL WORKS FOR TIGA DAM

- 90 749A Vol.1.
749B Vol.2. Appendix C only. Economic analysis: source of data bibliography

FDWRIEDF WATER RESOURCES PROJECT

Client: Nigeria.Department of Water Resources

Finance: EEC

Company: MRT

- 603E Annual report 1985 F
603D Training manual on groundwater investigation procedures F

Final Report

- 86 603A Vol.1. Text & appendices F
603B Vol.2. Borehole completion reports F
603C Vol.3. Geophysical data F

FEASIBILITY STUDY FOR A NIGERIAN NATURAL RESOURCES INFORMATION CENTRE

Client: Nigeria.Ministry of National Planning

Finance: EEC

Companies: HTS/HGG/General Technology Systems

- 80 448C Final report F
448B Appendices F

THIRD COCOA PROJECT

Client: Nigeria.Department of Agriculture

Finance: IBRD

Company: HTS

- 79 393 Pilot study to evaluate the role of aerial photography
in cocoa resource mapping F

DONGA RIVER PREFEASIBILITY STUDY

Client: Min.of Agric.& Natural Resources/Upper Benue Development Authority

Finance: Government of Nigeria

Companies: MRT/HTS

	359E	Report	F
78	359	Annex 1. Hydrology	F
	359B	A.2. Irrigation engineering	F
		A.3. Dams engineering	
		A.4. Hydro-electric power engineering	
	359A	A.5. Soils & land evaluation	F
	359D	A.6. Agriculture	F
		A.7. Sociology	
		A.8. Economics	
	359F	Review of report	F
	359G	A conspectus	F

SOUTH CHAD IRRIGATION PROJECT. STAGE 3 PREDESIGN STUDY

Client: Nigeria.Chad Basin Development Authority

Companies: MRT/MMP

78	356	Summary & main report. Draft	F
	356A	Annex 4. Agricultural diversification	F
	356B	Kirinowa extension. Vol.1. Sociology & soil survey	F
	356C	--- : Vol.2. Irrigation engineering	F
78	344	Remote sensing: technical report, by R. Tucker	F
		Client: Nigeria.Department of Forestry	
		Finance: FAO/UNDP	
		Company: HTS	

RIVER YEDSERAM RESERVOIR & IRRIGATION SYSTEM PREFEASIBILITY STUDY

Client: Nigeria.Ministry of Water Resources

Companies: Ward Ashcroft/HTS

	333	Final report (Soils)	F
	333A	--- : (Agriculture)	F
	333C	--- : (Climate & hydrology)	F
	333B	Map folder: Land classification; Soils	

KADUNA STATE WATER SUPPLY MASTER PLAN

Client: Nigeria.Kaduna State Water Board

Finance: EEC

Company: MRT

78	328	Interim report 2.	F
	328A	Interim report 3.	F
88	328B	National Water Resources Institute, Kaduna. Groundwater Research Department. Interim report 3	F

HIGH FOREST DEVELOPMENT

Client: Nigeria.Department of Forestry/FAO

Finance: FAO

Company: HTS

Progress Reports

77	318	1.	F
	318A	2.	F
	318B	3.	F
	318C	4.	F
	318D	5.	F
	318E	6.	F

NIRAD PROJECT INTERPRETATION PHASE

Client: Nigeria.Department of Forestry

Finance: Government of Nigeria

Companies: HTS/Image Analysis

Progress Reports

77	304	1.	F
	304A	2.	F
	304B	3.	F
	304C	4.	F
	304D	5.	F
	304E	Final report. Vol.1.	F
	304F	--- : Vol.2. Digital analysis	F
	304G	Summary	F
78	304H	Side looking airborne radar survey of Nigeria: final report by Motorola Aerial Remote Sensing Inc.	
		N.B. 304 & 304A bound together at 304	

UPPER YEDSERAM RESOURCES APPRAISAL STUDY

Client: Nigeria.Federal Ministry of Water Resources

Company: Ward Ashcroft & Parkman

Final Report

76	305	Vol.1. Synopsis	F
	305A	Vol.2. Main document	F
	305B	Vol.3. Soil profile & sample analysis	F
	305C	Large scale drawings, incl. Land capability classification	

SOUTH CHAD IRRIGATION PROJECT. STAGE 2

Client: Nigeria.Chad Basin Development Authority

Companies: MRT/MMP

Predesign Study

76	302D	Report	F
	302	Annex 5. Agriculture & fisheries study. Vol.1. ReportF	
	302A	A.5. Vol.2. Appendices	F
	302B	A.5. Vol.3. Appendices	F
	302C	Irrigation & drainage system: infield works	F
76	296	Wheat & flour marketing study	F

GROUNDWATER INVESTIGATION, KOTON KARIFI, KWARA STATE

Company: Hunting Surveys (Nigeria)

76	279	Report	F
	279A	Mosaics	

BAKOLORI PROJECT

Client: Nigeria.Sokota-Rima Basin Development Authority
Companies: NRT/MMP/HTS

- | | | | |
|----|------|--|---|
| 76 | 273B | Design review report | F |
| 78 | 273A | Final interim report on proposal to change from surface to sprinkler irrigation over 11,000 hectares | F |
| 75 | 265 | Reconnaissance study of the Traba Valley, N.E.State
Client: Ministry of Agriculture & Land Resources
Finance: Ministry of Overseas Development
Company: HTS | F |

SOUTH CHAD IRRIGATION PROJECT. EASTERN AREA FEASIBILITY STUDY

Client: Ministry of Agriculture & Natural Resources
Companies: MRT/MMP/HTS

Feasibility Report

- | | | | |
|----|------|---|---|
| | 246J | Report. Draft | F |
| | 246A | Annex 1. Soil survey & land classification. Vol.1.Report | F |
| | 246B | A.1. Vol.2. Appendices | F |
| | 246C | A.1. Vol.3. | F |
| | 246E | A.2. Population, land tenure & rural institutions | F |
| | 246D | A.4. Agriculture | F |
| | 246G | A.5. Engineering. Vol.1. Report | F |
| | 246I | A.5. Vol.2. Appendices | F |
| | 246F | A.6. Organisation & management | F |
| | 246K | A.7. Economics | F |
| 74 | 234 | Detailed soil survey of the Magba area, N.W.State | F |
| | 234A | Soils of the Magba area, Middle Niger Valley: interim report & planimetric estimates
Client: Ministry of Agriculture & Natural Resources/Ministry of Overseas Development
Finance: Ministry of Overseas Development
Company: HTS | F |

**SOUTH CHAD IRRIGATION PROJECT. WESTERN AREA FEASIBILITY
STUDY**

Client: Ministry of Agriculture & Natural Resources

Companies: MRT/MMP/HTS

Feasibility Report

	221L	Report	F
73	221A	Annex 1. Soil survey & labd classification. Vol.1. Report. Draft	F
	221B	A.1. Vol.2. Appemndices	F
	221G	A.2. Population, land tenure & rural institutions	F
	221C	A.3. Climatology, hydrology & hydrogeology	F
	221I	A.4. Agriculture	F
	221H	A.5. Engineering	F
	221E	A.6. Organisation & management	F
	221J	A.7. Economics	F
	221K	Supplement. Economic evaluation for development of 97,810 acres	F
73	213	Detailed soil survey of the Gerinya area, Kwara State Client: Ministry of Agriculture & Natural Resources Finance: ODA Company: HTS	F

SOILS OF THE SUNTI AREA, MIDDLE NIGER VALLEY

Client: Ministry of Agriculture & Natural Resources

Finance: ODA

Company: HTS

73	209A	Preliminary report on the suitability of the Sunti area for the production of sugar cane	F
	209B	Detailed soil survey of the Sunti area, N.W.State	F

SHEMANKER RIVER PROJECT RECONASSANCE STUDY

Client: Benue Plateau State.Min.of Natural Resources & Cooperatives

Company: MRT

72	207A	Interim report	F
	207D	Vol.1. Main report with appendices & plan supplement	F
	207E	Vol.2. Summary report with amendment annexure	F

**INVESTIGATION & FEASIBILITY STUDY OF AN IRRIGATION
PROJECT SOUTH OF LAKE CHAD**

Company: MMP

191A Progress report no.2. September 1971-February 1972 F

Feasibility Report

191J Report F

191B Annex 1. Soil survey & land classification. Vol.1.The report F

191C A.1. Vol.2. Profile descriptins & laboratory analysis F

191N A.1. Vol.2. Supplement F

191D A.2. Population, land tenure & rural institutions F

191E A.3. Hydrogeology, hydrology & climatology F

191F A.4. Agriculture F

191G A.5. Engineering F

191H A.6. Organisation & management F

191I A.7. Economics F

72 191K Field report. Selection of 60,000 acres project area F
Vol.1. Main report

191L --- : Vol.2. Profile descriptions & soils analysis F

191P Building appraisal F

191Q Planning appraisal F

76 191R Pre-design study. Rice processing & marketing F

191S Agricultural processing: cotton ginning requirements
& cotton seed processing F

191T Brochure F

59 36 Report on a photogeological study of an area to the F
east of Jagindi station
Client: West African Gold Corporation
Company: HTS

58 38 Report on a photogeological study of an area to the F
north of Wamba Town
Client: West African Gold Corporation
Company: HTS

50 23A Report on the photointerpretation of the fluvial deposits F
of the Delimi River area, north east of Jos

23B Report on a photogeological study of an area to the F
west of Jema'a
Client: West African Gold Corporation
Company; HTS

NORWAY

66 98 Photogeological study of the Evje region F
Client: Falconbridge Nikkelverk,Aktieselskap
Company; HGG

OMAN

COASTAL ZONE MANAGEMENT PLAN IMPLEMENTATION

Client: Directorate General of Environmental Affairs Min. of Regional
Municipalities & Environment, Sultanate of Oman

834 Final Report Jun.93-Mar.94

GHUBRAH POWER & DESALINATION PLANT EXTENSION

Phase III

Company Delft Hydraulics

92 786A Report on site investigation & desk study

89 674A Summary scenario for planning of livestock development
in Southern Oman
Company: HTS

PRELIMINARY SOIL SURVEY OF SELECTED AREAS AROUND HANFIT & QITBEET IN NEJD, SOUTHRN REGION

Client: Oman. Ministry of Agriculture & Fisheries

Finance: Client

Company: GDC

86 592A Inception report

F

592B Final report

F

SOIL & GROUNDWATER SURVEYS FOR WADI QURIYAT, KAMIL WAFI & BURAIMI AREAS

Client: Oman. Ministry of Agriculture & Fisheries

Company: GDC

82 521 Final report. Falaj studies

F

521A Vegetation album

521B Soil series correlation in the Kamil Wafi. Wadi Quriyat
& Buraimi detailed survey areas

F

SOIL & GROUNDWATER SURVEY FOR WADI QURIYAT AREA

Client: Oman. Ministry of Agriculture & Fisheries

Company: GDC

82 504A Progress reports 1-3, Apr, Jun, Aug 1982

F

504 Interim report

F

Final Report

504E Vol.1. Summary

F

504D Vol.2. Land resources

F

504F Vol.3. Groundwater resources & development

F

83 504I Groundwater monitoring (Supplement to Final Report)

F

504G Financial & economic appraisal

F

504H Land reclamation & farming project for W.Q. area:

F

financial & economic appraisal (as prepared to client's instructions)

SOIL & GROUNDWATER SURVEY FOR KAMIL WAFI AREA

Client: Oman.Ministry of Agriculture & Fisheries

Company: GDC

- 82 503A Progress reports 1 & 2 F
503 Interim report F

Final Report

- 503E Vol.1. Summary F
503C Vol.2. Land resources F
503D Vol.3. Groundwater resources & development F
503H Groundwater monitoring (Supplement to Final Report) F
- 83 503F Financial & economic appraisal F
503G Land reclamation & farming project for K.W.area:
financial & economic appraisal (as prepared to client's instructions) F
503J Kamil Wafi farm development: note of general information

SOIL & GROUNDWATER SURVEY FOR BURAIMI AREA

Client: Oman.Ministry of Agriculture & Fisheries

Company: GDC

- 82 501 Progress reports 1 & 2 F
501A Interim report F

Final Report

- 501D Vol.1. Summary F
501C Vol.2. Land resources F
501E Vol.3. Groundwater resources & development F
83 501F Groundwater monitoring (supplement to Final Report) F

OMZEST FARMS, MUSCAT

Client: Omzest

Finance: Client

Company: GDC

- 82 498 Land & water resources appraisal Seeb & Ibri farms F

POWER & URBAN WATER SUPPLY STUDY

Client: Oman.Ministry of Power & Electricity

Finance: IBRD

Companies: Preece Cardew/MMP/HTS

- 78 365A Phase 2. Interim. Agriculture F

LIVESTOCK SECTOR REVIEW & PROJECT IDENTIFICATION

Finance: Kuwait Fund for Arab Economic Development

Companies: HTS/Sudanese Investments & Consultation

Final Report

- 78 340 Vol.1. Sector review F
340A Vol.2. The project F
340B 2nd progress report F

- 76 300 Report on banana production in the Salala region F
Client: Min.of Agriculture, Fisheries, Petroleum & Minerals
Finance: Client
Companies: Bookers/HTS

**PREFEASIBILITY STUDY TO INVESTIGATE ALTERNATIVE MEANS OF
ESTABLISHING COMMERCIAL FARMING IN INTERIOR OMAN**

Client: Min.of Agriculture, Fisheries, Petroleum & Minerals

Finance: Oman Petroleum Development

Company: HTS

76 289 Final report F

65 369 Report on tellurometer traverse in the Oman Oct 1964-Feb 1965

369A Report on tellurometer traverse & photographic control F

Oct 1965-Feb 1966

Client: Petroleum Development (Oman)

Companies: HSL/BIPM

PACIFIC

PACIFIC REGIONAL AGRICULTURAL PROGRAMME

- 92 792A First draft report of the mid-term review mission Nov.92
- 93 792B Section 10 Review of individual PRAP projects for the period April 89 -Nov.92
- 93 792C Draft report of the PRAP mid term review mission
- 93 792D First Draft report of the PRAP Mid-term review mission
Section 6 Economic & Financial Factors
- 93 792E Report of the PRAP Mid-Term Review Mission Aug 93
- 91 792F Work Plan & Budget 91/92
- 792G Six monthly reports Jul-Dec 91
- 792H Consultants Report May 87 Vol.1
- 792I -- -- -- -- Vol.3

PACIFIC PLANT PROTECTION SERVICE FEASIBILITY STUDY

- 90 746A Report. Draft
- 91 746B Final Report

PAKISTAN

OPTIONS FOR ODA SUPPORT IN THE COTTON PRODUCTION SYSTEMS

Client: ODA

Company: HTS

95 858 Final Report Aug.95

NORTH WEST CANAL REMODELLING PROJECT

Client: Irr. & Power Dept. Government of Sindh

Companies: M. Macdonald/Delft/HTS/Zaheeruddin/MM Pakistan

94 831 Inception report May 94

831A Progress Report Oct. 94

831B Report by P. Thompson Annexes 1,2,& 8

831C Interim Report Mar.95

831D Final Report DRAFT Aug.95

AGRICULTURAL RESEARCH PROJECT II (Federal)

Client: Government of Pakistan

Companies: HTS/DAI/Centre for Arid Zone studies/CAB Int.

93 823 Review of current research being undertaken on breeding indigenous cattle, sheep & goat breeds Jul.93 J.S. Macfarlane

823A Research program on dairy cattle crossbreeding Oct.93 J.R. Dickey

823B Adoption & Diffusion of Agricultural Interventions Dec.93

823C Inception Report Oct.93

94 823D Sample size determination for formal surveys Jan 94

823E Mid-term review Nov.94

95 823F Integrated Pest Management Reports Jan 95

823G Agricultural Economics Risk Modelling Manual Aug.95

823H Agricultural Marketing Consultancy Report May 95

823I Manual for PARC Program Planning & Budgeting/Monitoring & Evaluation System Aug.95

RURAL WATER SUPPLY & SANITATION PROGRAMME

Client: Government of Azad Jammu & Kashmir

Companies: Binnie/HTS/Techred Joint Venture

93 809 Inception report Apr.93

809A -- -- -- Appendices Apr.93

809B Status Report Nov.93

809C -- -- -- Appendices Nov.93

94 809D Interim report Aug.94

809E Interim report appendices Aug.94

809F Design Manual Groundwater Resources (WRM1) Dec.94

809G Hydrology Report Manual (WRM2) Dec.94

809H Quarterly Progress Report No.8 Oct.- Dec.94

809I Hygiene Education Handbook Dec.94

95 809J Standard Components Manual Jan.95

809K Construction Manual Jan.95

809L Procurement Manual Mar.95

809M Extension Handbook Apr.95

809N Design Manual Vol.1 Mar.95

809O " " " 2 Mar.95

PEHUR HIGH LEVEL CANAL

Client: WAPDA Government of Pakistan

Companies: HTS/Binnies

Financed: ADB

Feasibility study

- 92 794A Inception report
794B Socio-Economic Survey results Mar.93
93 794C Draft Final Report Vol.1 Main Report May93
794D -- -- -- Vol.2 Annexes A-E
794E -- -- -- Vol.3 -- F-N
794F Socio-Economic conditions, Mitigation of Adverse Impacts & Recommendations
for beneficiary participation in The Pehur High level canal study Jun.93
794G Final Report Vol.1 Main Report Jun.93
794H -- -- - 2 Annexes A-E - -
794I -- -- - 3 -- F-N - -
794J Interim Studies Gandaf Intake & Tunnel Design Review
94 794K Special Soil Investigations Mar.94

Project

- 95 794L Inception Report Mar.95

Working Papers

- 794M No 4 Prelim. Design of Gandaf Tunnel DRAFT
794N No.5 " " of Pehur High Level Canal DRAFT
794P No.1 Hydrology Studies (Final)
794Q No.7 Project Design Manual
794R No.8 Sedimentology DRAFT

Quarterly Progress Reports

- 95 794O No.1 Mar.95
794T No.2 Jun.95
794U No.3 Sept 95

794S Design Concepts of PHLC Project Follow up Meeting Report
794V Board of Management Minutes Nov. 95

LEFT BANK OUTFALL DRAIN PROJECT

Socio-Economic impact evaluation study

- 92 775A Special Study: Recent trends in crop production in the LBOD
project area; Assessment of implications for projected benefits
775B Baseline report Vol.1 main report
775C Changes in land use in the LBOD project area: Implications for drainage policy
775D Reassessment studies: Efficacy of drainage study
775E Reassessment studies Apr 92 Vol.1 Report
775F " " " " Vol.II Appendices
775G " " Mar 92 Efficacy of drainage

**STRENGTHENING ENVIRONMENTAL MANAGEMENT FOR WATER
RESOURCES DEVELOPMENT IN THE WATER & POWER DEVELOPMENT
AUTHORITY PROJECT**

Asian Development Bank TA N.1629-PAK

- 93 801 Inception report March 93
- 801A Interim Report Sept.93
- 94 801B Chashma Right Bank Irrigation Project:Stage I&II
Environmental Impact Assessment Report Jan.94
- 801C Draft Final report Jun.94
- 801D Supporting report 1: Chashma Right Bank Irrigation Project
- 801E " " " 2 Environmental Assessment Manual

64 87 Report on the preliminary soil survey of the Rohri & Nara commands
Company: HTS F

INDUS SPECIAL STUDY

Client: IBRD

Finance: Client

Companies: HTS/A.Gibb/Int.Land Dev.Consultants

64 84A Tarbela project: irrigation & agricultural investigations F

84B Targets for aricultural production in West Pakistan F

84C World Bank forestry

84D Tarbela study: simulated farm budgets F

65 84E Bari Doab regional development.Pt 3.Project report on the
installation of public wells in Dipalpur above BS link F

84F Raising Chasma Barrage: interim note & review F

LOWER INDUS REPORT

Client: Pakistan.Water & Power Development Authority

Finance: Govt of Pakistan

Companies: HTS/MMP

Physical Resources

79 Vol.1. Climate F

Vol.2. Geomorphology, soils & water table

79A Vol.3. River Indus F

Vol.4. Torrents

Vol.5. Surface water storage

79B Vol.6. Groundwater F

79B\12 Supporting report to Vol.6. F

Physical Resources. Climate. Supplements

79\1 1.1. Climatological data 1962-63 F

1.2. Climatological data: hourly observations 1964

79\2 1.3. Climatological data 1964 F

**Physical Resources. Geomorphology, soils & water
table. Supplements**

79\3 2.1.1. Soil survey bore register. Ghulam Mohammed
Barrage Command F

79\4 2.1.2. Soil survey bore registers. Sukkar Barrage
Right Bank Command F

79\5 2.1.3. Soil survey bore registers. Gudu Right Bank Command F

79\6 2.1.4. Soil survey bore registers. Gudu Left Bank Command
, Khairpur, Nara & Rohri Commands, watercourse & farm studies F

79\7 2.2. Physical characteristics F

2.3. Soil chemical data

2.4. Water table observations

Indus Speed Study

Blue Covers

1966.

PROGRAMME FOR THE DEVELOPMENT OF IRRIGATION & AGRICULTURE
IN WEST PAKISTAN

Client: IBRD

Companies: A.Gibb/International Land Development/HTS

Comprehensive report

66

96A	Vol.1.	F
96B	Vol.2A. Annexure 1. Economics	F
96C	Vol.2B. A.2. Demand for agricultural production A.3. Prices, marketing & transport	F
96D	Vol.3. A.4. Climate & hydrology	F
96E	Vol.4. A.5. Land & soils A.6. Reclamation	F
96F	Vol.5. A.7. Water supply & distribution	F
96G	Vol.6. A.8. Drainage & flood control	F
96H	Vol.6. A.8. Supporting document. Tentative layout for horizontal drainage in part of sample area 10	F
96I	Vol.7. A.9. Agriculture	F
96J	Vol.8. A.10. Land tenure A.11. Institutions & organisations A.12. Forestry	F
96K	Vol.9. A.13. Farm surveys	F
96L	Vol.10. A.14. Watercourse studies	F
96	Vol.10. A.14. Supporting document. Comparison of agriculture in Sind & Punjab	F
96M	Vol.11. A.15A. Bari Doab regional development	F
96N	Vol.12. A.15B. Bari Doab projects report	F
96O	Vol.12A. A.15B. Supporting documents	F
96P	Vol.13. A.15C. Sutlej & Panjnad Left Bank regional development	F
96Q	Vol.14. A.15D. Sutlej & Panjnad Left Bank project reports	F
96R	Vol.15. A.15E. Rechna Doab regional development	F
96S	Vol.16. A.15F. Rechna Doab project report	F
96T	Vol.17. A.15G. Chaj Doab regional development	F
96U	Vol.18. A.15H. Peshawar & Swat regional development	F
96V	Vol.19. A.15I. Lower Indus regional development	F
96W	Vol.20. A.15J. Lower Indus project report	F
96X	Vol.21. A.15K. Thai Doab & Indus Right Bank regional development	F
96Y	Vol.22. A.15L. Areas outside the irrigated plains	F
96Z	Vol.23. A.16. Method of survey A.17. Information supplied to other consultants	F
96AE	Map supplement	
96AA	Sequential analysis of a programme for irrigation & power development in West Pakistan	F
96AB	Co-ordination report	F
96AC	Summaries of reports by consultants on irrigation & agriculture, electric power, surface water storage	F
96AD	The Tarbela project: evaluation of the Tarbela project within the development of the Indus basin	F
96AF	Study of the water & power resources of West Pakistan. Pt 1. Report on a dam on the Indus at Tarbela. A.4. Economic evaluation	F
96AG	--- : progress report no.18 Nov-Dec 1965	F
96AH	Tentative comments by O. Aresvik on agricultural part of report	F

76 297 Review of report on Shorkot Kamalia unit balance area
scarp V. Rechna Doab. F
Client: Ministry of Overseas Development
Company: MMP

SALINITY CONTROL & RECLAMATION PROJECT, KHAIRPUR

71 454 Reclamation advisors report on results of reclamation Rabi 1969-70 F

EAST KHAIRPUR TILE DRAINAGE

Client: Pakistan.Water & Power Development Authority
Finance: Govt Pakistan/Ministry of Overseas Development
Companies: HTS/MMP

71 169A Pt 1. Main report. Agricultural appendix. Draft F
169B Pt 2. Engineering appendices. Draft F
169C Maps & drawings.

GHOTKI FRESH GROUNDWATER PROJECT

Client: West Pakistan.Water & Power Development Authority
Companies: HTS/MMP

164 Planning report F

INDUS BASIN REVIEW MISSION

1969-70

*Follow up for
Indus Speed
Study*

70 Client: IBRD
Companies: A.Gibb/International Land Development/HTS
160A Vol.1. F
160B Vol.2. Chapter 1 F
160C Vol.3. Chapters 2 & 3 F
160D Vol.4. Chapters 4-6 F
160E Vol.5. Chapters 7-9 F
160F Vol.6. Appendices F

SOUTH ROHRI PROJECT

69 138 Project planning report F

SEWHAM BARRAGE COMMAND

Client: West Pakistan.Water & Power Development Authority
Companies: HTS/MMP

67 119A Report on the preliminary planning of the Sewham Barrage complex F
119B Project planning report Vol.1. Draft F
119C --- : maps & drawings

NORTH ROHRI PROJECT PLANNING REPORT

Client: West Pakistan.Water & Power Development Authority
Companies: HTS/MMP

67 117A Main report F
117B Appendices F
117C Supporting reports F

67 108 Report on agricultural extension service, Sind F

BUNER DEVELOPMENT PROJECT
Buner subdivision Swat district NWFP

Client: Pakistan

Finance: EEC

- 706A Quarterly report Jan-Mar 1990, Oct-Dec 1990 F
706B Quarterly report Jan-Mar 1991
91 706C Summary of progress Apr. 1989 to Feb. 1991, Adaptive
research/agric. extension support & seed multiplication
components: report of Adaptive Research Specialist

Technical reports.

- 706D 90-3 Bakhtawar Shah: On farm research results wheat production 1989/90
Agro-Economic Unit reports.
706E 1. Swari Saturday market surveys
706F 2. Poultry survey
706G 3. Crop budget report
706H 4. Report on fodder crops
706J 5. Evaluation of four point demonstration plots rabi wheat crop 1989-90
706K 6. Land levelling report
X 706L 7. Fertiliser survey: marketing, sales & analysis of usage 1990
706M 8. Markets & marketing of fruit & vegetables in Buner
706N 9. Crop cutting survey of wheat yields rabi season 1990/91
706P 10. Crop cutting survey of maize yields, Kharif season 1991

DEMONSTRATION OF GIS CAPABILITIES

- 90 700A Case study: land use trends in the Indus Valley F

SMALL DAMS FEASIBILITY STUDY

Client: Pakistan North West Frontier Province

Finance: Overseas Development Administration

Companies: Babbie Shaw & Morton/HTS

- 89 690A Institutions review. Draft report
89 690B Inception report F
90 690C Addendum to P.C.11 proforma for small dams feasibility
studies (land resources) F
89 690D Geological investigations: inception input report
90 690E " " : 2nd input report
89 690F Irrigation engineering: inception input report
90 690G " " : 2nd input report
89 690H Sociological studies: inception input report
89 690J Hydrological studies: inception input report
90 690K " " : 2nd input report
89 690L Land resources studies: inception report
90 690M " " : addendum to inception input report
90 690N Economics: discussion paper 1. First order ranking of
irrigation schemes. Draft. By A. Markanday
90 690R Briefing report for Project Review Mission
90 690S Miscellaneous papers for ODA Review Novemebr 1990
91 690Y Report on guidance to Small Dams Directorate. Draft
91 690Z Final report
92 690AA Report on guidance to Small Dams Directorate.
92 690AB Hydrological Report

Progress reports

- 690P Dec 1989; No.4.Oct 1990

KUNDAL DAM FEASIBILITY STUDY

90 690T Interim review

KUNDAL DAM IRRIGATION SCHEME

91 690U Feasibility study report. Draft

- Ch. 2. Hydrology;
- 3. Sedimentation;
- 4. Land resources;
- 5. Social aspects;
- 6. Agronomy;
- 7. Engineering geology;
- 8. Reservoir development;
- 11. E.I.A.

690V Annexes. Draft

- A.B. Hydrological data & reservoir operations,
incl. Rainfall data
- A.C. Land resources studies
Land capability & irrigation potential + soils & and capability maps
Erosion assessment survey + soil erosion & proposed measures maps
Catchment area survey + topographical map of scheme area
- A.D. Social aspects
- A.E. Agricultural studies
Irrigation water requirements
Agricultural baseline survey

690W Annexes. Draft

- A.F. Geotechnical investigations
Site investigation report
Geophysical report
- A.G. Dam engineering studies
Kundal dam seepage analysis
Wave surcharge
Construction flood
Emergency discharge capacity
Stability analysis
Spillway design
- A.H. Irrigation & drainage studies
Drainage
Design of the canalisation system
- A.I. Economic analysis

690X Full scale maps. Draft
Scheme area 1:50,000
Command area 1:20,000
Command area survey sheets 1:5,000
Soil survey sheets 1:5,00

92 690AC Feasibility Study Report

SUKKUR MAIN CANALS CONTROL & TELECOMMUNICATIONS

Client: Govt Sindh. Irrigation & Power Department

Finance: ODA

Companies: MMP/Haiste

89 685A Main report. Draft

685B Appendices. Vol.1. Draft

PAKISTAN WATER SECTOR INVESTMENT PLANNING STUDY

Client: Pakistan

Companies: MMP/National Engineering Services/Harza/ACE

- 89 678B Inception report F
89 678A Supplementary report on environmental studies, by
V.C. Robertson

- 89 664A Report of the study on institutionalisation of monitoring
& evaluation for irrigation & drainage projects F
Client: Pakistan Water & Power Development Authority
Finance: ODA
Company: HTS

SIND AGRICULTURAL EXTENSION & ADAPTIVE RESEARCH PROJECT. PHASE 2

Client: Sind Agricultural Extension Department

Finance: International Development Agency

Companies: Macdonald/HTS

Quarterly Reports

- 660A Dec 1988 F
660B Mar, Sept, Dec 1989 F
660C Apr 1990
89 660D First interim report on the information & media component
88 660E 1st interim report of Adaptive Research Consultants Nov 88
2nd interim report of Adaptive Research Component May 89
89 660G 3rd interim report of Adaptive Research Component Oct.89
4th interim report on Adaptive Research Component April 90
89 660H Interim report on the training component
2nd interim report on the training component Sept 89
90 660L Final report on the monitoring & evaluation component
92 660S Report on the adaptive research component Sept 92
660T Final report of extension communications consultant Aug 92
Phase II Extension
92 660M Interim report of the training consultant
660N Consultants quarterly report No.1 Jun 92
660R -- -- -- -- No.2 Oct 92
660S Final report of Extension Communications Consultant Jul 92
93 660U Consultants Quarterly report No.3 Jan.93 Phase IIB
660P Interim report of agricultural economist/survey specialist
92 660Q Fifth interim report on the adaptive research component Jun 92
93 660V Extension Strategy Review Jun.93
660W -- -- -- Final Report Dec93
94 660X Final Report Feb.94

ENVIRONMENTAL IMPACT ASSESSMENT

Client: World Bank/UN High Commission for Refugees

Company: HTS

- 88 648A First income generating project for refugee areas: F
report of the Environmental Consultant V.C. Robertson

LOWER INDUS RIGHT BANK MASTER PLAN

Client: Govt Pakistan

Finance: Water & Power Development Authority

Companies: Mott Macdonald/hts

Working papers

5.90	645A	1. <u>Social issues</u> ✓	
	645B	2. <u>Environmental issues</u> ✓	
	645C	3. <u>Watertable, soils & land use</u> ✓	
	645D	4. <u>Agriculture: change, constraints & investigations</u> ✓	
	645E	5. <u>Watercourse investigations</u> ✓	F
	645F	6. <u>Irrigation & drainage</u>	F
	645G	7. <u>Groundwater</u> ✓	F
	645H	8. <u>Surface water resources</u> ✓	F
	645J	9. <u>Agricultural review of Kharif season 1989</u>	F
	645K	10. <u>Review of agricultural census data</u> NOT IN STOCK	
5.90	645L	11. <u>Social issues 2</u> ✓	F
	645M	12. <u>Development of the water management model</u> NOT IN STOCK	
1.90	645N	13. <u>Livestock issues 2</u> ✓	F
1.90	645P	14. <u>Climate</u> ✓	F
3.90	645R	15. <u>Study review 26 January-1 February 1990</u>	F
3.90	645S	16. <u>Drainage</u> ✓	F
3.90	645T	17. <u>Environmental studies</u> ✓	F
	645U	18. <u>Tube well inventory GIS</u> NOT IN STOCK	
6.90	645V	19. <u>Irrigation studies</u> ✓	F
3.90	645W	20. <u>Watertable studies</u> ✓	F
	645X	21. <u>Soils studies</u> ✓	F
	645Y	22. <u>Land use studies</u> NOT IN STOCK	
3.90	645Z	23. <u>Climate studies</u> ✓	
3.90	645AA	24. <u>Surface water resources studies</u> ✓	
6.90	645AB	24. <u>Surface water resources studies: appendices</u> ✓	F
6.90	645AC	25. <u>Agricultural studies</u> ✓	F
	645AD	26. <u>Livestock studies</u> NOT IN STOCK	
3.90	645AE	27. <u>Fisheries studies</u> ✓	F
	645AF	28. <u>Hydrogeological studies</u> ✓	
6.90	645AG	29. <u>Disposal of drainage effluent</u>	F
	645AH	30. <u>Water course & special studies. Vol. 1. Text & study watercourses 1-8 incl.</u> ✓	F
	645AI	30. <u>Water course & special studies. Vol. 2. Study watercourses 9-25</u> ✓	F
3.90	645AJ	31. <u>Sociological field investigations</u>	
	645AK	32. <u>Land tenure studies</u> NOT IN STOCK	
3.90	645AL	33. <u>Sociological studies</u>	F
	645AM	34. <u>Economics studies</u> NOT IN STOCK	
3.90	645AN	35. <u>Surface geophysical studies</u>	
3.90	645AP	36. <u>Water supply & sanitation</u> ✓	F
	645AR	37. <u>Dry drainage studies</u> NOT IN STOCK	
4.90	645AS	38. <u>Forestry studies</u> ✓	F
	645AT	39. <u>Outwash fan area studies</u>	
	645AU	40. <u>Outline geographic information system</u> NOT IN STOCK	

- 645AV 41. Mechanical & electrical engineering studies
- 645BV 42. Review of interim report ~~NOT IN STOCK~~
- 91 645BE 43. Rural institutions
- 645BF 44. Urban sub surface drainage
- 645BG 45. Special drainage study (within Ratadero detailed study area)
- 645BH 46. Forestry development ✓
- 645BJ 47. Fisheries development ✓
- 645BK 48. Flood protection
- 645BL 49. Bambihar minor water management study NOT IN STOCK
- 645BN 50. Public institutions. Draft
- 645BN 51. Canal seepage studies
- 645BP 52. Small scale polder development
- 91 645CX 53. Drainage effluent disposal

- 645AW Proposed Right Bank Master Plan study report of ODA appraisal mission January 1988 F
- 89 645AX Status report
- 90 645AY Interim report. Draft F
- 91 645CY Study overview at end January 1991

Technical note

- 70 645BC Removal of sodium chloride from soil by crops grown in the Right Bank Indus irrigated area F

Progress reports

- 89 645AZ June; July; September/October; November F
- 90 645BA January; February; March F
- 90 645BB April, August, September, October, November 1990

Final report (Planning Report (Draft Master Plan))

645 Study brochure NOT IN STOCK
645BR Executive summary NOT IN STOCK
645CZ Vol.1. Main text
645DA Vol.2. Portfolio of projects. Draft final report
N.B. Draft ed. Vol.2. Project portfolio i. Agricultural,
rural development environmental & management studies
AND Vol.3. Project portfolio 2. Irrigation, drainage &
flood protection. Draft
645EU Outwash fan area ~~NOT IN STOCK~~

Feasibility studies

645BS Guddu Sukkur Right Bank. Vol.1. Present situation NIS
645BT - - - Vol.2. Future developmetn NOT IN STOCK
645DM Right Bank outfall drain feasibility study. Stage i
645DP -- Warah SDF feasibility study NOT IN STOCK
645R -- Larkana Shikarpur SDF improvement feasibility study.
Phase i NOT IN STOCK

Albums of drawings

645 1. Atlas NOT IN STOCK
2. Base maps NOT IN STOCK
3. Land use & suitability NOT IN STOCK
4. Irrigation, drainage & infrastructure NOT IN STOCK
5. Study watercourses NOT IN STOCK
6. Right bank outfall drain project NOT IN STOCK
7. Larkana Shikarpur surface drainage improvement project
NOT IN STOCK
8. Warah surface drainage project NOT IN STOCK

Final report

645DN Vol.1. Main report. ~~Draft~~

Supporting volumes

- 645BV 1. Water. Pt 1. Climate; Pt 2. Surface water;
Pt 3. Groundwater. DRAFT
- 70 645BW 2. (Land) Pt 1. Soils; Pt 2. Irrigable land suitability;
Pt 3. Regional watertables. DRAFT
- 645BX 3. Agriculture, land use, agricultural studies &
development NOT IN STOCK
- * ~~645BY 4. Forestry, livestock & fisheries NOT IN STOCK~~
- 645BZ 5. Irrigation. Pt 1. Existing irrigation systems;
Pt 2. Proposals & projects;
Pt 3. Pre-feasibility studies DRAFT
- 645CA 6. Drainage & flood protection
- 645CB 7. Communications, electricity distribution, water
supply & sanitation NOT IN STOCK
- 645CC 8. Sociology DRAFT
- 645CD 9. Public institutions
- 645CE 10. Environmental enhancement
- 645CF 11. Planning
- 645CG 12. Economics

Supplementary volumes

- 645CH 51.1 Climatological & hydrological data DRAFT
- 645CJ 51.2 Surface geophysical studies DRAFT
- 645CK 51.3 Exploratory boreholes DRAFT
- 645CL 51.4 Manchar & Hamal Lakes
- 645CM 53.1 Land use studies DRAFT
- 645CN 53.2 Watercourse studies NOT IN STOCK *Agricultural field data*
- 645CP 53.3 Agricultural supporting data. NOT IN STOCK
- 645CR 55.1 Irrigation study papers
- 645CS 55.2 Water use supporting data
- 645CT 55.3 IPD stage data AND
- 55.4 Regime & irrigation pre-feasibility study data
- 645CU 55.5 Tubewells NOT IN STOCK
- 645CV 55.6 Computerised tubewell inventory NOT IN STOCK
- 645CW 56.1 Special drainage study
- 645DB 56.2 Surface drainage pumping stations
- 645DC 56.3 Dry drainage
- 645DD 56.4 Drainage supporting data. DRAFT
- 645DE 56.5 Site investigations NOT IN STOCK
- 645DF 56.6 Drainage survey data
- 645DG 56.7 Small scale polder development
- 645DH 58.1 Sociological field studies
- 645DJ 58.2 Land tenure studies DRAFT
- 645DK 510.1 Wetland & wildlife studies NOT IN STOCK
- 645DL 511.1 Agricultural census data AND
- 511.2 Monitoring & evaluation

* 645BY 4. Agriculture (other). Pt 1. Forestry, Pt 2. Livestock
Pt 3. Fisheries

MONITORING & EVALUATION OF DRAIANGE 4 PROJECT

Client: Govt Pakistan

Finance: Water & Power Development Authority

Company: HTS

86	588A	Inception report	F
86	588B	Revised agro-economic M & E programme	F
88	588E	First report on periodic consultancy support	F
89	588F	Second report on periodic consultancy support	
90	588G	Agro-economic monitoring & evaluation: report on additional support visit	
89	588L	Agro-economic monitoring & evaluation programme: report on regression analysis of 1988-89 data	
87	588P	Agro-economic baseline survey. Main report & annexes	
89	588M	Agro-economic baseline survey: supplementary analysis	
88	588N	Agro-economic data entry & tabulation system for use with U-SP version 2.5.3	
89	588J	Agro-economic monitoring & evaluation survey 1987-88	
90	588K	Agro-economic monitoring & evaluation survey 1988-89. Vol. 1.	
87	588H	Crop yield estimation methodology study: rabi 1986-87	
90	588R	End of assignment report	

Quarterly Reports

588C	1st-6th Oct 1986 - Jan 1988	F
588D	7th Apr 1988	F

DIR DISTRICT DEVELOPMENT PLAN

Client: Pakistan/UN Fund for Drug Abuse Control

Finance: Special Development & Enforcement Plan for the Opium Producing Areas of Pakistan

Company: HTS

83	566D	Background to terms of reference	F
84	566A	Inception report (Lib. copy incl. UNFDAC OPS & Rept Int.Narcotics Control Board for 1983)	F
	566B	Project document & supporting report 1. Project management & social infrastructure	F
	566C	Supporting report 2. Natural resources	F
	566E	Album of photographs	

SOUTH ROHRI ON FARM WATER MANAGEMENT\FRESH GROUNDWATER PROJECT

Client: Pakistan Water & Power Development Authority

Finance: Asian Development Bank

Company: MMP/HTs/Pakistan Architects & Consulting Engineers

84	563A	Inception report	F
	563B	Training report	F
	563C	Water user association	F
85	563D	Tender evaluation report: contracts 1,2 & 3	F
	563E	Some notes on recommended procedures for the deployment of the equipment for hire	F
84	563F	Contract no.1. Supply of crawler tractors ...	F
86	563G	Evaluation of extension & training	F
83	545A	Proposals for the development of the company;s property at Jhimpir	F
84	545B	Development of the Jhimpir agricultural lease Client: Jhimpur Livestock Ltd Company: HTS	F

NORTH DADU SURFACE DRAINAGE PROJECT

Client: Pakistan Water & Power Development Authority

Finance: Kreditanstalt fur Wiederaufbau

Companies: MMP/HTS

83	543A	Main report	F
	543B	Annex 1. Soils A.2. Agriculture	F
	543C	A.3. Engineering	F
	543D	A.4. Economics	F
	543E	Draft PC-1	F

AGRICULTURAL PLANNING & MONITORING CELL (APMC), SIND PROVINCE

Client: Pakistan

Finance: UNDP/World Bank

Company: HTS

80	429	Inception report	F
	429B	Proposals for farm activity surveys & data assembly project in Sind: report by Chief Agriculturalist	F
	429C	Transportation & materials handling in fertiliser distribution	F
	429D	Crop intensification & research project for Dadu district	F
	429E	Oilseeds project: preliminary report.	F
	429F	Report on the visit of the Mechanisation Specialist to the Department of Agricultural Engineering	F
	429G	Adaptive research project	
	429H	Monitoring system for Sind Seed Co-operation	

LEFT BANK OUTFALL DRAIN

Client: Water & Power Development Authority/ODA

Finance: ODA

Companies: MMP/HTS

- | | | | |
|----|------|--|---|
| 79 | 385 | Inception report | F |
| 80 | 385A | Interim report on planning | F |
| 81 | 385K | Stage 1 | F |
| 82 | 385L | Project preparation: status report | F |
| | 385M | Project planning report | F |
| 83 | 385N | Publicity brochure | F |
| 83 | 385Q | Interim report on the secondary impact study of the LBOD in Sind,
by D. McNeill | F |

Feasibility Study

- | | | | |
|----|------|--|---|
| 80 | 385E | Main report | F |
| | 385F | Annex 1: Soil salinity | F |
| | | A.2: Agriculture | |
| | | A.3: Environmental impact considerations | |
| | 385G | A.4: Hydrology | F |
| | 385H | A.5: Engineering | F |
| | 385I | A.6: Economic assessment | F |
| | 385J | A.7: Computer printouts | F |

LEFT BANK OUTFALL DRAIN. STAGE 1. PROJECT PREPARATION

- | | | | |
|----|-------|---|---|
| 84 | 385R | Final report | F |
| | 385S | A.1: Soils & land classification | F |
| | 385T | A.2: Agriculture & land use | F |
| | 385U | A.3: Water availability & use | F |
| | | A.4: Drainable surplus | |
| | 385V | A.5: Water table distribution & trends | F |
| | | A.6: Groundwater & tubewell drainage | |
| | 385W | A.7: Tile drainage | F |
| | | A.8: Intercepto: drains | |
| | 385X | A.9: Electrification | F |
| | | A.10: Stormwater drainage | |
| | 385Y | A.11: Spinal drain & surface drainage work | F |
| | 385Z | A.12: Outfall system & tidal link | F |
| | 385AA | A.13: NaraJamro remodelling | F |
| | | A.14: Operation & maintenance | |
| | 385AB | A.15: Economics: Vol.1 | F |
| | 385AC | A.15: Economics: Vol.2 | F |
| | 385AD | Mirpas Khas component project | F |
| | 385AE | Nawabshah component project | F |
| | 385AF | Sanghar component project | F |
| | 385AG | Album 1: Soil & land classification. OIS | |
| | 385AH | Aire memoire prepared by the World Bank, ADB, Canadian
Int. Dev. Agency & Overseas Development Appriasal Mission | F |
| | 385AI | Mirpurkhas tile drainage area detailed soil survey | F |
| | 385AJ | Annual report on project implementation & status of
consultancy services 1987-88 | |
| | 385AK | The causes of very slow response of small farmers to the precision
land levelling: a sub component of the water management component | F |
| | 306 | Oilseeds project: preliminary report
Company: Esesjay/HTS | F |

76	297	Review of report on Shorkot Kamalia unit balance area scarp V. Rechna Doab. Client: Ministry of Overseas Development Company: MMP	F
SALINITY CONTROL & RECLAMATION PROJECT, KHAIRPUR			
71	454	Reclamation advisors report on results of reclamation Rabi 1969-70	F
EAST KHAIRPUR TILE DRAINAGE			
Client: Pakistan Water & Power Development Authority			
Finance: Govt Pakistan/Ministry of Overseas Development			
Companies: HTS/MMP			
71	169A	Pt 1. Main report. Agricultural appendix. Draft	F
	169B	Pt 2. Engineering appendices. Draft	F
	169C	Maps & drawings.	
GHOTKI FRESH GROUNDWATER PROJECT			
Client: West Pakistan Water & Power Development Authority			
Companies: HTS/MMP			
	164	Planning report	F
INDUS BASIN REVIEW MISSION			
Client: IBRD			
Companies: A.Gibb/International Land Development/HTS			
70	160A	Vol.1.	F
	160B	Vol.2. Chapter 1	F
	160C	Vol.3. Chapters 2 & 3	F
	160D	Vol.4. Chapters 4-6	F
	160E	Vol.5. Chapters 7-9	F
	160F	Vol.6. Appendices	F
SOUTH ROHRI PROJECT			
69	138	Project planning report	F
SEWHAM BARRAGE COMMAND			
Client: West Pakistan Water & Power Development Authority			
Companies: HTS/MMP			
67	119A	Report on the preliminary planning of the Sewham Barrage complex	F
	119B	Project planning report Vol.1. Draft	F
	119C	--- : maps & drawings	
NORTH ROHRI PROJECT PLANNING REPORT			
Client: West Pakistan Water & Power Development Authority			
Companies: HTS/MMP			
67	117A	Main report	F
	117B	Appendices	F
	117C	Supporting reports	F
67	108	Report on agricultural extension service, Sind	F

WATER SUPPLY TO FERTILIZER FACTORY

Client: Kaiser Agricultural Chemicals

Companies: HTS/MMP

- | | | | |
|----|------|--|---|
| 67 | 102B | Water supply for proposed fertilizer factory | F |
| 68 | 102C | Water supply to fertilizer factory, Daharki | F |

KHAIRPUR TUBEWELL DRAINAGE PROJECT

Client: Pakistan Water & Power Development Authority

Finance: Client

Companies: HTS/MMP

- | | | | |
|----|------|--|---|
| 66 | 133E | Modification on scheme in fresh groundwater area | F |
| 69 | 133A | Operational manual | F |
| | 133C | Operational manual: supplement | F |
| | 133D | Maintenance manual | F |
| | 133B | Maintenance manual: appendix of drawings | F |
| 70 | 133F | Final report | F |

KHAIRPUR PROJECT

Client: West Pakistan Water & Power Development Authority

Companies: HTS/MMP

- | | | | |
|----|-----|--------------------------------|---|
| 66 | 116 | Tile drain construction scheme | F |
|----|-----|--------------------------------|---|

**PROGRAMME FOR THE DEVELOPMENT OF IRRIGATION & AGRICULTURE
IN WEST PAKISTAN**

Client: IBRD

Companies: A.Gibb/International Land Development/HTS

Comprehensive report

66	96A	Vol.1.	F
	96B	Vol.2A. Annexure 1. Economics	F
	96C	Vol.2B. A.2. Demand for agricultural production	F
		A.3. Prices, marketing & transport	
	96D	Vol.3. A.4. Climate & hydrology	F
	96E	Vol.4. A.5. Land & soils	F
		A.6. Reclamation	
	96F	Vol.5. A.7. Water supply & distribution	F
	96G	Vol.6. A.8. Drainage & flood control	F
	96H	Vol.6. A.8. Supporting document. Tentative layout for horizontal drainage in part of sample area 10	F
	96I	Vol.7. A.9. Agriculture	F
	96J	Vol.8. A.10. Land tenure	F
		A.11. Institutions & organisations	
		A.12. Forestry	
	96K	Vol.9. A.13. Farm surveys	F
	96L	Vol.10. A.14. Watercourse studies	F
	96	Vol.10. A.14. Supporting document. Comparison of agriculture in Sind & Punjab	F
	96M	Vol.11. A.15A. Bari Doab regional development	F
	96N	Vol.12. A.15B. Bari Doab projects report	F
	96O	Vol.12A. A.15B. Supporting documents	F
	96P	Vol.13. A.15C. Sutlej & Panjnad Left Bank regional development	F
	96Q	Vol.14. A.15D. Sutlej & Panjnad Left Bank project reports	F
	96R	Vol.15. A.15E. Rechna Doab regional development	F
	96S	Vol.16. A.15F. Rechna Doab project report	F
	96T	Vol.17. A.15G. Chaj Doab regional development	F
	96U	Vol.18. A.15H. Peshawar & Swat regional development	F
	96V	Vol.19. A.15I. Lower Indus regional development	F
	96W	Vol.20. A.15J. Lower Indus project report	F
	96X	Vol.21. A.15K. Thai Doab & Indus Right Bank regional development	F
	96Y	Vol.22. A.15L. Areas outside the irrigated plains	F
	96Z	Vol.23. A.16. Method of survey	F
		A.17. Information supplied to other consultants	
	96AE	Map supplement	
	96AA	Sequential analysis of a programme for irrigation & power development in West Pakistan	F
	96AB	Co-ordination report	F
	96AC	Summaries of reports by consultants on irrigation & agriculture, electric power, surface water storage	F
	96AD	The Tarbela project: evaluation of the Tarbela project within the development of the Indus basin	F
	96AF	Study of the water & power resources of West Pakistan. Pt 1. Report on a dam on the Indus at Tarbela. A.4. Economic evaluation	F
	96AG	--- : progress report no.18 Nov-Dec 1965	F
	96AH	Tentative comments by O. Aresvik on agricultural part of report	F

LOWER INDUS RIGHT BANK MASTER PLAN

Client: Govt Pakistan

Finance: Water & Power Development Authority

Companies: Mott Macdonald/hts

92

FINAL REPORTS

- 645A Vol.1 Main report
- 645B - 2 Project portfolio

SUPPORTING VOLUMES

- 645C 1. Water:Pt.1 Climate Pt.2 Surface water Pt.3 Groundwater
- 645D 2. Land:Pt.1 Soils Pt.2 Land suitability Pt.3 Regional watertables
- 645E 3. Agriculture (crop): Pt.1 Agricultural studies
- 645F 3. Agriculture (crop): Pt.2 Agricultural development
- 645G 4. Agriculture (other): Pt.1 Forestry,Pt.2 Livestock
Pt.3 Fisheries
- 645H 5. Irrigation: Pt.1 Existing irrigation system
Pt.2 Proposals & projects Pt.3 Pre-feasibility studies
- 645J 6. Drainage: Pt.1 Planning Pt.2 Design Pt.3 Effluent
disposal Pt.4 Flood protection
- 645K 7. Infrastructure: Pt.1 Communications Pt.2 Electricity
distribution Pt.3 Water supply & sanitation Pt.4 Urban
sub-surface drainage
- 645L 8. Social issues & development
- 645M 9. Public institutions
- 645N 10. Environmental Assessment
- 645P 11. Economics

FEASIBILITY STUDIES

- 645Q Warah surface drainage project
- 645R Larkana Shikarpur surface drainage improvement project
Phase 1:Ratodero
- 645S Right bank outfall drain (stage 1)
- 645T Outwash fan area report
- 645U Contents & Index

SUPPLEMENTS

- 645V S1.1 Climatological & Hydrological data
- 645W S1.2 Surface Geophysical studies: S1.3 Exploratory
Boreholes
- 645X S1.4 Manchar & Hamal Lakes
- 645Y S3.1 Land Use Studies
- 645Z S3.2 Watercourse Studies Vol.1
- 645AA S3.2 -- -- -- Vol.2
- 645AB S3.3 Agricultural Supporting Data
- 645AC S5.1 Irrigation study papers
S5.2 Water use supporting data
- 645AD S5.3 IPD Stage data
- 645AE S5.4 Regime & irrigation pre-feasibility study data
S5.5 Tubewells
- 645AF S5.6 Computerised tubewell inventory
- 645AG S6.1 Special drainage studies
S6.2 Surface drainage pumping stations
- 645AH S6.3 Dry drainage
S6.4 Drainage supporting data
- 645AJ S6.5 Site investigations
- 645AK S6.6 Drainage survey data
S6.7 Small scale polder development

645AL S8.1 Sociological field studies
S8.2 Land tenure studies
645AM S10.1 Wetland & wildlife studies
645AN S11.1 Agricultural census data
S11.2 Monitoring & evaluation

Albums of drawings

- 645 1. Atlas
2. Base maps
3. Land use & suitability
4. Irrigation, drainage & infrastructure
5. Study watercourses
6. Right bank outfall drain project
7. Larkana Shikarpur surface drainage improvement project
Stage 1 Feasibility study
8. Warah surface drainage project Feasibility study

GANDIALLY DAM FEASIBILITY STUDY

Client: North West Frontier Province. Irrigation & Public Health Dept

Finance: Kreditanstalt fur Wiederauf

Company: HTS

- 88 635A Additional investigations : final report F
87 621A Baluchistan watershed management sub-projects(World Bank mission) F
. Draft working paper by V.C. Robertson

BUNER DEVELOPMENT PROJECT STUDY

Client: EEC

Finance: EEC

Company: HTS

- 87 620A Project identification: final report F
87 620B BDP : PC-1 F

**PRE-FEASIBILITY STUDY FOR THE TREATMENT OF KARACHI SEWAGE
BY RECYCLING & CREATING A LIVESTOCK FARM IN DESERT LAND**

Client: Pakistan.Karachi Water & Sewerage Board

Finance: UN Centre for Human Settlements

Company: MMP

- 86 597A Progress report on field studies F
86 597B Main report F
597C --- : annexes F
A.A. Wastewater resources
A.B. Land resources
A.C. Agriculture
A.D. Planning, engineering & economics
A.E. Impact of wastewater reuse for agriculture

64 87 Report on the preliminary soil survey of the Rohri & Nara commands
Company: HTS F

INDUS SPECIAL STUDY

Client: IBRD

Finance: Client

Companies: HTS/A. Gibb/Int. Land Dev. Consultants

64 84A Tarbela project: irrigation & agricultural investigations F

84B Targets for aricultural production in West Pakistan F

84C World Bank forestry

84D Tarbela study: simulated farm budgets F

65 84E Bari Doab regional development. Pt 3. Project report on the
installation of public wells in Dipalpur above BS link F

84F Raising Chasma Barrage: interim note & review F

LOWER INDUS REPORT

Client: Pakistan. Water & Power Development Authority

Finance: Govt of Pakistan

Companies: HTS/MMP

Physical Resources

79 Vol.1. Climate F

Vol.2. Geomorphology, soils & water table

79A Vol.3. River Indus F

Vol.4. Torrents

Vol.5. Surface water storage

79B Vol.6. Groundwater F

79B\12 Supporting report to Vol.6. F

Physical Resources. Climate. Supplements

79\1 1.1. Climatological data 1962-63 F

1.2. Climatological data: hourly observations 1964

79\2 1.3. Climatological data 1964 F

**Physical Resources. Geomorphology, soils & water
table. Supplements**

79\3 2.1.1. Soil survey bore register. Ghulam Mohammed
Barrage Command F

79\4 2.1.2. Soil survey bore registers. Sukkar Barrage
Right Bank Command F

79\5 2.1.3. Soil survey bore registers. Gudu Right Bank Command F

79\6 2.1.4. Soil survey bore registers. Gudu Left Bank Command
, Khairpur, Nara & Rohri Commands, watercourse & farm studies F

79\7 2.2. Physical characteristics F

2.3. Soil chemical data

2.4. Water table observations

Physical Resources. River Indus. Supplements

- 79A\1 3.1. Discharge & withdrawal records 1941-65 F
3.2. Analysis of discharge, seepage data sediment change

Physical Resources. Groundwater. Supplements

- 79B\1 6.1.1. Tubewells & boreholes. Gudu Barrage Command
79B\2 6.1.2. Tubewells & boreholes. Sukkur Right Bank Command. F
6.1.3A. Tubewells & boreholes. Khairpur Command F
79B\3 6.1.3. Tubewells & boreholes. Khairpur Command F
6.1.4. Tubewells & boreholes. Northern Rohr Command
79B\4 6.1.5. Tubewells & boreholes. Central & Southern F
Rohri Command
79B\5 6.1.6. Tubewells & boreholes. Nara Command F
79B\6 6.1.7. Tubewells & boreholes. Ghulam Mohammed Barrage Command F
79B\7 6.2. Local tubewells F

Present Situation

- 79C Vol.7. Land use F
Vol.8. Water use
Vol.9. Rural working forces
79D Vol.10. Agriculture F
Pt 1. Introduction & general conditions
Pt 2. Crop husbandry
79E Vol.10. Agriculture F
Pt 3. Animal husbandry
Pt 4. Farm economics
Vol.11. Forestry
Vol.12. Fisheries
79F Vol.13. Movement of commodities, processing, F
marketing, communications & power
Vol.14. Agricultural services
Vol.15. Summary of present position

Present Situation. Land Use. Supplements

- 79C\1 7.1. Land use statistics F
7.2. Crop statistics

Present Situation. Water Use. Supplements

- 79C\2 8.1. Command statistics 1964 F
8.2. Sukkur Barrage Command survey data
79C\3 8.3. Sukkur Barrage Command. Gauge & discharge tables F
79C\4 8.4. Sukkur Barrage Command. Initial water distribution analysis F
79C\5 8.5. General water use data F
8.6. Agricultural studies area water courses

Present Situation. Rural Working Force. Supplements

- 79C\6 9.1. Population statistics F

Present Situation. Agriculture. Supplements

- 79D\1 10.1. Agricultural surveys, details of individual F
watercourse study areas
79D\2 10.2. Agricultural surveys. Kharif 1963 data F
79D\3 10.3. Agricultural surveys. Rabi 1963-64 data F
79D\4 10.4. Agricultural surveys. Kharif 1964 data F
79D\5 10.5. Agricultural surveys. Rabi 1964-65 data F
79C\6 13.1. Commodities movement data F

Principles & Criteria for Future Development

- 79G Vol.16 Soilwater relationships & consumptive use F
- Vol.17 Distribution losses
- Vol.18 Water requirements
- 79H Vol.19 Groundwater development F
- 79H2 Supporting report to Vol.19 F
- 79J Vol.20 Irrigation F
- Vol.21 Reclamation
- Vol.22 Drainage
- 79J Vol.23 Agriculture F
- Vol.24 Forestry
- Vol.25 Fisheries
- 79K Vol.26 Land tenure & taxation F
- Vol.27 Agricultural services
- Vol.28 Development planning engineering costs

Principles & Criteria for Future Development.

Soil/Water Relationship & Consumptive Use.

Supplements

- 79G1 16.1. Infiltration tests F
- 16.2. Soil physical properties
- 16.3. Use of conserved groundwater
- 16.4. Soil moisture depletion

Principles & Criteria for Future Development.

Distribution Losses. Supplements

- 79G2 17.1. Canal closure seepage studies F
- 17.2. Canal study state seepage studies
- 17.3. Ponded seepage tests on irrigation channels

Principles & Criteria for Future Development.

Water Requirements. Supplements.

- 79G3 18.1. Water use studies. Minor canals F
- 18.2. Water use studies. Water causes
- 18.3. Water requirements

Principles & Criteria for Future Development.

Groundwater Development. Supplements.

- 79H1 19.1. Economic analysis of well design F
- 19.2. Groundwater quality
- 19.3. Riverain development
- 19.4. Aquifer & well characteristics
- 19.5. Skimming

Principles & Criteria for Future Development.

Irrigation. Supplement

- 79I1 20.1. Irrigation requirements at barrage heads F

Principles & Criteria for Future Development.

Reclamation. Supplements

- 79I2 21.1. Kharif 1964 data F
- 21.2. Rabi 1964-65 data
- 79I3 21.3. Kharif 1965 data F
- 21.4. Leaching studies
- 21.5. Khairpur pilot project

Principles & Criteria for Future Development.

Drainage. Supplements.

- | | | |
|-------|---------------------------------|---|
| 79IV4 | 22.1. Equivalent permeabilities | F |
| | 22.2. Drainable surplus | |
| | 22.3. Surface drainage | |
| | 22.4. Tile drainage spacing | |
| | 22.5. Rice drainage | |

Principles & Criteria for Future Development.

Agriculture. Supplements.

- | | | |
|-------|---|---|
| 79J11 | 23.1. Wheat experiments. Rabi 1961-62, 62-63, 63-64 | F |
| 79J12 | 23.2. Wheat experiments & wheat groundwater salinity survey. Rabi 1964-65 | F |
| 79J13 | 23.3. Rice experiments | F |
| | 23.4. Banana survey | |
| | 23.5. Cotton experiments | |
| | 23.6. Oil seeds, fodder & other experiments | |

Map boxes

- | | | |
|-------|--|---|
| 79I8 | 2.1.A. to accompany Supplement 2.1.1. | F |
| 79I9 | 2.1.B. to accompany Supplement 2.1.2. | F |
| 79I10 | 2.1.C. to accompany Supplement 2.1.3. | F |
| 79I11 | 2.1.D (1) to accompany Supplement 2.1.4. | F |
| 79I12 | 2.1.D (3) to accompany Supplement 2.1.4. | F |
| 79B18 | 6.1.A. to accompany Supplement 6.1.1. & 6.1.2. | F |
| 79B19 | 6.1.B. to accompany Supplement 6.1.3. & 6.1.4. | F |
| 79B10 | 6.1.C. to accompany Supplement 6.1.7. | F |
| 79B11 | 6.1.D. to accompany Supplement 6.1.5. & 6.1.6. | F |

- | | | |
|------|--|---|
| 79L | Store committee minority report presented by the consultants | F |
| 79M | Report on soil surveys & investigations of the Peidmont Plain in the N.W. Lower Indus Basin, by A. Kamphorst (internal technical report) | F |
| 79N | Miscellaneous data abstracted from LIP reports of WAPDA | F |
| 79O | Tenure of agricultural land in the Indus Plain | F |
| 79P | Report on forestry for LIP | F |
| 79Q | Notes on tubewell construction & testing | F |
| 79R | Evaluation report on the advisory planning group of the consultants association of HTS & MMP | F |
| 79Y | Advisory planning group monthly reports Nos 35-37,, March-May 1969 | F |
| 79AE | Khaipur Tubewell Drainage Project | F |
| 79AF | Development of Sind: a programme for prosperity | F |
| 79AG | Development of Sind: summary of available reports | F |
| 79AG | Atlas | |
| 79AJ | Memorandum on the tentative comments made by the Senior Economic Advisor (Agriculture) on LIP criteria for the development of agriculture and Comments on above; by O. Aresvik | |
| 79AK | Policy, institutions & organisation: position paper | F |

Reports

79S	1. Paddy cultivation in the Lower Indus, by D.Grist	F
79T	15. Khaipur pilot project	F
79U	16. Review of development of the Ghulam Mohammed Barrage Command	F
79V	16. --- : appendices 1-8 + preliminary appendices I-10	F
79W	16. --- : appendices 11-18. Preliminary	F
79X	17. Note on development of the Gudu Barrage Command	F

Lower Indus Report

79Z	Main report. Vol.1. Present situation	F
79AA	--- : Vol.2. Future developments	F
79AB	Summary of the Lower Indus Report	F
79AC	Final report	F
79AD	Contents & index	F

STUDY OF THE WATER & POWER RESOURCES OF WEST PAKISTAN

Client: IBRD

64	77A Stage 1. Agriculture	F
	77B Stage 1. Report	F
67	77C Report to IBRD by P. Lieftinck. Vol.1. General report	F
	77D Economic annex	F

61	62 Water use in rice culture in Sind: a report of field studies Company: HTS	F
----	---	---

MANGLA WATERSHED MANAGEMENT STUDY

Client: Pakistan.Water & Power Development Authority

Finance: Client

Companies: HTS/MMP

61	58A Vol.1. general report	F
	58B Vol.2. Management plans for demonstration area	F

SIBI JHATPAT DEVELOPMENT

Client: Pakistan.Water & Power Development Authority

Finance: Client

Companies: MMP/HTS

61	56A Phase 2. Geological investigation of dam sites	F
	56B Sibi Jhatpat development project	F
	56C Report on the soils, water & river borne sediments of the Kachhi Plains, by S. Radwanski	F
	56D Project planning report, Vol.5. Agricultural reports: Nari & Talli projects	F

SUKKUR-GUDU-GHULAM MOHAMMED DRAINAGE & SALINITY CONTROL PROJECT

Client: West Pakistan Water & Power Development Authority

Company: HTS

Reports

61	50A	1. Khairpur command. Vol.1. Soil & agricultural investigation	F
	50B	1. ---: Vol.2. Engineering investigation	F
	50C	2. Gaja Perennial area	F
		Pt 1. Soil & agricultural investigations	
		Pt 2. Engineering investigations	
	50Q	3. Khairpur project planning report	F
	50D	3. ---: supplementary report	F
	50F	4. Ghulam Mohammed Barrage Command.	
		Vol.1. Phase1. Soil & agricultural investigations	F
	50G	4. ---: Vol.2. Phase 1. Engineering investigations	F
	50H	4. ---: Vol.3. Tando Bago perennial area.	F
		Pt 1. Soil & agricultural investigations;	
		Pt 2. Engineering investigations	
	50U	5. Sukkur-Gudu Right Bank Command.	
		Vol.1. Soil & agricultural investigations	F
	50J	5. ---: Vol.2A. Engineering investigations	F
	50M	5. ---: Vol.2B. Engineering investigations	F
	50I	5. ---: Vol.3. Ground water investigations & tubewell tests	F
	50K	6. Larkana-Shikarpur definite plan report.	
		Vol.1. Soils & agricultural investigations	F
	50L	6. ---: Vol.2. Engineering investigations	F
	50N	7. Gaja perennial area.	
		Pt 1. Exploratory bore programme;	F
		Pt 2. Tubewell investigations	
	50P	8. Report on a detailed soil survey at Khairpur command	F
	50R	9. Gaja detailed planning report	F
	50S	10. Ghotki area.	
		Pt 1. Exploratory bore programme	F
		Pt 2. Tubewell programme;	
		Pt 3. Water table survey	
	50T	12. Sukkur-Gudu Right Bank & Khairpur Command	F
		Section 1. Sukkur-Gudu Right Bank Command	
		Pt 1. Exploratory bore programme	
		Pt 2. Tubewell programme	
		Section 2. Khaipur Command	
		Pt 1. Tubewell programme	
	50E	Sukkur Right Bank Command: geological report on the Gaj River dams site & reservoir area	F
	50O	Report on test of earth resistivity equipment	
	50V	Drawings & maps to accompany Gaja perennial area report	
	50W	---: to accompany Ghulam Mohammed Barrage Command report	
	50X	---: to accompany Khairpur Command report	
	50Y	---: to accompany Sukkur-Gudu Right Bank Command report	

PORALI BASIN DEVELOPMENT

Client: West Pakistan Water & Power Dev. Authority

Company: Lewis Lane

Preliminary Appraisal Report

- | | | | |
|----|------|--|---|
| 60 | 236A | Report on Phase 1 & recommendations for Phase 2 | F |
| 62 | 236B | Supplement: Report on Phase 1 & certain aspects of Phase 2
recommendation for further studies | F |
| | 236C | Supplement: Drawings | |
| | 236D | Report on groundwater exploration FICHE ONLY | F |
| 60 | 61 | Rice in agronomic & reclamation research in the Punjab
Company: HTS | F |
| 60 | 46 | Report of a reconnaissance study of the Ghulam Mohammed
Command in West Pakistan
Client: West Pakistan Water & Power Development Authority
Company: HTS | F |

PANAMA

91 721A Study of groundwater for irrigation based on deep tubewells in the dry zone of Panama: summary of work carried out in 1986 & 1987 F

ESTUDIO DE LAS AGUAS SUBTERRANEAS PARA RIEGA, B BASE DE POZOS PROFUNDOS EN EL ARCO SECO DE LA R. DE PANAMA

Client: Panama.Ministerio de Desarrollo Agropecuario

Companies: GDC/ECAISA

86 606A Informe de progreso no.1 F

86 606B --- : no.2 F

87 606C Informe preliminar F

IRRIGATION OF THE LLANOS DE COCLE

Client: Panama/Overseas Development Administration

Finance: Client

Companies: Binnie/HTS

68 125A Report on the proposed irrigation project F

Pt 1. General report of the project

Pt 2. Review of the justification for irrigation development

Pt 3. Proposed arrangements for a pre-investment study

Pre-Investment Study

70 125C Vol.1. Main report + Spanish copy F

125D Vol.2. Plans 1, 2, 3 & 4

125F Vol.3. Appendices F

A.A. Hydrology

A.B. Geology & soil mechanics

A.C. Agricultural soils

A.D. Crop trials

A.E. Existing agriculture

Supplementary Report

71 125G Vol.1. Report F

125H Vol.2. Drawings

125I Vol.3. Results of crop trials conducted at Las Lajas, F

El Rosario & El Cano for the period 1969-71

PAPUA

- 90 718A The role of women in the coastal fisheries of Papua New Guinea F
Client: Commonwealth Secretariat
Company: Hunting Fishtec
- AGRICULTURAL PROJECT INVESTIGATIONS, MILNE BAY PROVINCE**
Client: Papua New Guinea National Planning Office
Companies: McKillop Williamson/HTS
- 458 Report F
- BEEF CATTLE RANCHING DEVELOPMENT STUDY**
Client: Papua Department of Primary Industries
Finance: EEC
Company: HTS
- 390E Inception report F
79 390A Vol.1. Main report F
390B Vol.2. Detailed feasibility studies & appendices F
- 57 13 Report on the photogeological interpretation of part of F
the Biaru river area
Client: Papuan Apinaipi Petroleum Co
Company: HTS

PARAGUAY

- THE IMPACT OF COTTON BOLL WEEVIL & STRATEGIES FOR CONTROL**
Client: NRI/ODA
Company: HTS
- 90 716A A socio-economic & agronomic study

PERU

- REVIEW OF STATUS OF COTTON PRODUCTION IN PERU**
Client: Fundeal Peru
Financed ODA
Company HTS
- 92 776A Report

PHILIPPINES

CATANDUANES AGRICULTURAL SUPPORT PROGRAMME (CATAG)

Client: European Commission

Companies: HTS/BCEOM/Cofrepêche

- 94 842 Report May-Jul.94
- 842A Report Aug.-Oct.94
- 95 842B End of Assignment Report by J.E.Cooper Apr. 95
- 842C Report Nov.94-Jan 95
- 842D Workplan & Budget 1995

MINDANAO SMALLHOLDER DEVELOPMENT PROJECT

Client: Philippines

Finance: Asian Development Bank

Companies: Harrisons Fleming/HTS

- 90 712A Feasibility study: Stage 1 F
- 712B Vol.1. Main report F
- 712C Vol.2. Annexes F
 - A I Land resources
 - A II Human resources
 - A III Infrastructure
 - A IV Agro-economics
 - A V Crop management
 - A VI Crop processing
 - A VII Project cost
 - A VIII Financial/economic analysis
 - A IX Cooperatives
- 712D Annex A. Maps
 - 1. Soils
 - 2. Present land use
 - 3A. Suitability for African oil palm
 - 3B. Suitability for rubber
 - 3C. Suitability for coffee (Robusta)
 - 3D. Suitability for cacao
 - 3E. Suitability for paddy rice
 - 3F. Suitability for upland rice & corn

PALAWAN INTEGRATED ENVIRONMENTAL PROGRAM

Client: Philippine Nat.Co.on Integrated Area Development

Finance: EEC

Companies: HTS/Oriental Integrated Development/MMP

Integrated Environmental Program

- 83 531A Inception report F
- 83 531D Stage 1. Discussion paper F
- 83 531E Stage 1. Discussion paper. Map annex F
 - Pedogeomorphic units
 - Present land use
- 531F Interim report. Vol.1. Main report F
- 83 531G Interim report. Vol.2. Annexes F
 - A.A. Marine conservation
 - A.B. Mangrove conservation
 - A.C. Agricultural development in the lowland zone
 - A.D. Stable hill farming
 - A.E. Agroforestry
 - A.F. Sustained commercial logging
 - A.G. Catchment protection
 - A.H. Controlled mining activities
 - A.K. Nature conservation & tourism

	531H Final report. Vol.1. The environmental plan	F
83	531I Final report. Vol.2. Phase 2 program	F
	531J Final report. Water resources annex	F
83	531K An integrated environmental plan for mainland Palawan	F
83	531B Forestry sector working paper	F
85	531V Logging methods review: position paper	F

Integrated Environmental Program. Environmental Monitoring & Evaluation System

85	531P Inception report	F
85	531N Interim report. Addendum. Annexes A-F. Soil analysis data	F
85	531O Interim report. Maps Pedogeomorphic units: Abongan A1; Inandeng B1; Tanabag C1; Bacingan D1; Inagawan E1; Tumaraban F1. Historic land use & vegetation 1969: Abongan A2; Inandeng B2; Tanabag C2; Bacungan (1947) D2; Inagawan E2; Tumarabang (1947) F2 Land use & vegetation 1985: Abongan A3; Inandeng B3; Tanabag C3; Bacungan D3; Inagawan E3; Tumarabang F3 Environmental degradation: Abongan A4; Inandeng B4; Tanabag C4; Bacungan D4 Tumarabang F4	

Integrated Environmental Program & Hydrometric Network Environmental Monitoring & Evaluation System

	531N Interim report Incl. A.G. Small format aerial photography	
83	531X Manual	F
	531Y Maps : EMES base map Land use & vegetation Environmental degradation	F
	531Z Annual report 1985	F

Integrated Environmental Program & Hydrometric Network. Tamlung Catchment Study

84	531L Inception paper	F
85	531R Final report	F
	531S Final report : annexes	F
	531T Final report : maps 1. Pedogeomorphic units : Tamlung catchment 2. Land use & vegetation 1947 " " 3. Land use & vegetation 1969 " " 4. Land use & vegetation 1985 " " 5. Environmental degradation 1985 " " 6. Development & conservation planning " " 7. Pedogeomorphic units : Tamlung & associated catchments 8. Land use & vegetation 1947 " " 9. Land use & vegetation 1969 " " 10. Land use & vegetation 1985 " " 11. Environmental degradation 1985 " "	

Palawan Hydrometric Network. Operations Manual

	531AA	Implementation report	F
85	531AB	Vol.1. Overview	F
	531AC	Vol.2. Field team's handbook	F
	531AD	Vol.3. Rainfall database user's manual	F
	531AE	Vol.4. River stage & discharge database user's manual	F
	531AF	Vol.5. Climate database user's manual	F
	531AG	Vol.6. Miscellaneous computer program descriptions	F
	531AH	Vol.7. Computer programmer's guide	F
	531AI	Vol.8. Annexes	F

Integrated Environmental Program Bridging Period

87	531AJ	Inception report	F
88	531AL	2nd phase projects report	F
88	531AM	Environmental monitoring & evaluation system 1986-88	F
	531AN	Project preparation period proposal	F
89	531AP	Project completion report	F
83	531C	Hydrometric network design, equipment specification & programme for implementation	F
	531U	Palawan : a strategic environmental plan	F
85	531W	The strategic environmental plan for mainland Palawan	F
	531AK	Strategic environmental plan for Palawan: Towards sustainable development	
85	531M	Soil erosion & soil conservation in the IEP for Palawan internal discussion paper by N.W.Hudson	
89	531AR	Report on the European study tour by senior staff of the Palawan Integrated Area Development Project Oct-Nov 88	

POLAND

WORKSHOP FOR POLISH SHEEP EXPERTS

95 865 Marketing in the Sheep Meat Sector & Planned Sheep Production Systems

MASTERPLAN & PILOT PROJECT FOR STRENGTHENING THE ENVIRONMENTAL MANAGEMENT SYSTEM

Client Min. of Environmental Protection

Companies: Neokart/HTS/FIN SKOG/Cityprof/Hydroprojekt

94 862 Inception Report Phase 1 (Master Plan) Dec.94

95 862A Interim Report Feb.95

DEVELOPMENT OF PRODUCTION OF SMALL RUMINANTS (SHEEP & GOATS) IN THE BIESZCZADY REGION

95 853 Consultancy Report on Production Systems & Livestock economy

***ENVIRONMENTAL MANAGEMENT WORKSHOP**

Company: HTS

90 707A A presentation of environmental management techniques incorporating remote sensing & geographic information system technology. Workshop outline.

F

ROMANIA

A STRATEGY FOR THE TRANSITION IN AGRICULTURE

- 94 838 Main report
Working Papers
93 838A Vol.1 Economic issues
838B Vol.2 Government, land & social issues
838C Vol.3 Enterprise reform & privatisation
838D Vol.4 Marketing & input distribution
838E Vol.5 Technical issues

DANUBE DELTA BIODIVERSITY PROJECT

Client: Ministry of Water, Forestry &
Environmental Protection
Companies: HTS/Binnies

- 93 808 Inception report Apr.93
808A Final Report DRAFT June93
808B Final Report Aug.93
808C Final Report - - Romanian Version

Global Environment Facility :World Bank Document

- 808E Part 1: Memorandum & Recommendations 18 & 25 Mar.
Part 2: Technical Reports 18 & 25 Mar.
ALL BOUND TOGETHER
808F Global Environment Trust Fund Ukraine Grant May 94
808G Global Environment Trust Fund Romania Grant Aug.94

ENVIRONMENTAL SENSITIVITY MAPPING OF ROMANIA & THE NORTH WESTERN BLACK SEA

- 92 791A Final report Nov. 92

CALAFAT - BAILESTI IRRIGATION PROJECT

Client: Ministry of Agric. Republic of Romania
Financed: UK Know-how-fund & Gov. of Romania
Companies: Taylor Woodrow/HTS/Binnies/ISPIF

- 92 787A Pre-investment feasibility study Progress report 1 Sept-15 Oct
787B Working paper Agriculture Oct 92

STUDY OF IRRIGATION & DRAINAGE IN ROMANIA

Client: Government of Romania
Companies: Binnies/HTS/ISPIF S.A.

Monthly Reports

- 92 788A No. 1 26 Sept.- 31 Oct.92
92 788B Progress report No.1 Oct 92

Inception Reports

- 788C Supporting papers
Annex B Maps, Aerial photography & Remote Sensing Imagery
C Soils.
D Hydrology (DRAFT)
788D Supporting papers
Annex E Agriculture
Annex F Electrical power supply & energy (DRAFT)
788E Supporting papers
Annex G Irrigation & Drainage.
Annex H Database (DRAFT)
788F Main report & Annex A (DRAFT)
788G Institutional aspects Annex 1-Institutions
788H Institutional aspects Progress report Feb.93

788J Preliminary report on the role of irrigation & report on selection of priority investment
Apr 93
788K Economics Working Paper Apr.93
788L Progress report No.7 Apr.93

Technical,Economic & Financial Viability Reports

Phase A

93 788M Main Report (DRAFT) Dec.93
93 788N Annex A Land & Water Resources
788O " B Agriculture
788P " C Irrigation & Drainage:CI Studies of Representative Schemes
788Q " C Irrigation & Drainage:CII On-farm Irrigation
788R " C " " " : CIII Land levelling
788S " D Institutions
788T " F Economics (DRAFT)
788U " G Database & Extrapolation Methodology (DRAFT)

Representative Scheme Working Papers

Scheme No:

93 788V 4 Calafat-Bailesti
788W 10 Dabuleni-Potelu-Corabia
788X 13 Stoenesti-Visina
788Y 23 Giurgiu-Razmiresti Zone B
788Z 30 Titu-Ogrezeni
788AA 33 Borcea De Sus
788AB 36 Mostitea I System 1
788AC 41 Galatui-Calarasi
788AD 48 Terasa Brailei
788AE 67 Valea Carasu Canal Negru Voda
788AF 94 Trifesti-Sculeni
788AG 99 Terasa Nicoresti-Tecuci
788AH Pilot Management Information System Outline Description
788AI Two-year priority programme (94/5-96/7) Outline description

788AJ Report on 10 year Investment Prog.:Annex D
Monitoring & Evaluation of Farm Level Effects

Technical ,Economic & Financial Viability Phase B

94 788AK Report Mar.94
ANNEXES:
788AL A:Land & water resources
B:Agriculture
788AM C:Irrigation & Drainage
C1:Studies of representative schemes
788AN CII:On-farm irrigation
CIII:Land levelling
CIV:Drainage
788AO CV:Pumping plant
CVI:Electrical Equipment
CVII:Instrumentation,control & automation
788AP D:Institutions
E:Operation & Maintenance
788AQ F:Economics
G: Database & extrapolation methodology

788AR Environmental Aspects Report Jun.94
788AS Training Completion Report Jun 94

Ten Year Investment Programme

788AT Annex A Selection of Irrigation Areas for Development
788AU " B Institutional Development
788AV " C Management Information System
788AW " D Monitoring & Evaluation
788AX " E Pilot Demonstration Areas
788AY " F Engineering & Supporting Studies
788AZ " G Electro-Mechanical Plant Instrumentation, Control & Automation System
788BA Main Report Jul.94

788BB Design & Implementation of pilot Demonstration Area at Terasa Brailei Nov.94

SAINT VINCENT

ORANGE HILL PREPARATION STUDY

Client: St Vincent & the Grenadines

Finance: EEC

Company: HTS

87 616A Final report F

71 170 Agricultural credit F

Client: St Vincent

Finance: ODA

Company: HTS

SAUDI ARABIA

SAKAKAH DRAINAGE PREFEASIBILITY STUDY

Client: Saudi Arabia.Ministry of Agriculture & Water

Companies: MMP/HTS

83 542 Report F
542A Terms of reference for future studies F

83 541 Soil fertility evaluation for centre pivot sites F
Client: Masstock Saudia
Company: HTS

JUDAH AREA 6

83 535 Feasibility study for an irrigated wheat farm F
535B Arabic translation of 535
535A Economic appraisal F
Client: Private
Finance: Private
Company: HTS

PROPOSED AL KHARJ AGRICULTURAL DEVELOPMENT

82 547A Groundwater : desk study F
Company: GDC

82 512 Pivot sampling & soil fertility evaluation for wheat & F
forage production
Client: Masstock Saudia
Finance: Client
Company: HTS

82 497 Judah 2 centre pivot irrigation planning F
Client: Masstock Saudia
Finance: Client
Company: HTS

81 481 Farm management consultancy: Saudi International F
Agricultural Company Farms
Client: Private
Finance: Private
Company: HTS

81 470 Todhia farm extension soil investigation F
Client: Masstock Saudia
Finance: Client
Company: HTS

81 460 Hydrogeological investigation at the sea water F
desalination plant site at Al Birk
Client: Al Kawther Water Treatment Company
Company: GDC

81 456 Turabah project identification study, by J.Goss F
Client: Manal Management
Company: HTS

80 427 Judah development project F
Client: Masstock Projects
Finance: Client
Company: HTS/MMP

81	460 Hydrogeological investigation at the sea water desalination plant site at Al Birk Client: Al Kawther Water Treatment Company Company: GDC	F
81	456 Turabah project identification study, by J.Goss Client: Manal Management Company: HTS	F
80	427 Judah development project Client: Masstock Projects Finance: Client Company: HTS/MMP	F
79	399 Project identification study at Al Diriyah	F
78	353 Assessment & recommendations concerning offers for a poultry project Client: Ibrahim Rajad Development Company: HTS	F
78	352 Proposed rabbit project Client: S'd Ibrahim Rajad Company: HTS	F
78	351 Feasibility study for cattle feedlot, abattoir & meat cutting plant Client: S'd Ibrahim Rajab Companies: HTS/S.Holt	F
SOUTH TRIANGLE PROJECT		
77	418 Aerial triangulation report	F

UMM ER RADHUMA

Client: Saudi.Ministry of Agriculture & Water

Finance: Government of Saudi Arabia

Compnay: GDC

Final Report

349DD	Vol.1. Main report	F
349DF	Vol.2. Land resources	F
349DG	----: Annex A. Soil classification	F
349DH	----: A.B. Level 1 survey	F
349DI	----: A.C. The gravel plains	F
349DJ	----: A.D. Level 2 survey: Wadi al Batin & Ash Shafallah	
349DK	----: A.E. Level 2 survey: Wadi al Miyah, Hanidh & Urayirah	F
349DL	----: A.F. Level 2 survey: Wadi as Sabha & Jabrin	F
349DM	----: A.G. Level 2 survey: Al Hasa	F
349DN	----: A.H. Soil physics	F
349DO	Vol.3. Groundwater resources	F
349DP	----: A.A. Geology	F
349DQ	----: A.B. Geophysics	F
349DR	----: A.C. Hydrology	F
349DS	----: A.D. Well completion reports: North West	F
349DT	----: A.E. Well completion reports: North East	F
349DU	----: A.F. Well completion reports: South West	F
349DV	----: A.G. Well completion reports: South East	F
349DW	----: A.H. Well inventory	F
349DX	----: A.I. Groundwater chemistry	F
349DY	----: A.J. The groundwater model	F
349DZ	Vol.4. Agriculture	F
349EA	----: A.A. As Sarar Agricultural Centre	F
349EB	----: A.B. Burauqa Agricultural Development Centre	F
349EC	Vol.5. Engineering	F
349ED	----: A.A. Development specification	F
349EE	Vol.6. Development planning	F
349EF	Vol.7. Rumah rangeland & animal resources	F

Albums

349EG	1. Level 1 soils survey. Pt A
349EH	2. Level 1 soils survey. Pt B
349EI	3. Level 2 soils survey: Wadi al Batin & Ash Shafallah
349EJ	4. Level 2 soils survey: Wadi al Miyah, Hanidh, Urayirah, Al Hasa, Wadi as Sabha & Jabrin
349EK	5. Level 2A soils survey: Rumah rangeland & ADC soils maps
349EL	6. Geology & geophysics
349EM	7. Hydrogeology
349EN	8. The groundwater model
349EO	9. Development

UMM ER RADHUMA cont. BAHRAIN EXTENSION

349\1EP Vol.1. Main report F
349\1ER Vol.2. Land resources F
349\1ES Vol.3. Groundwater resources F
349\1ET ---: A.A. Well completion reports. Pt 1. F
349\1EU ---: A.B. Well completion repots. Pt 2. F
349\1EV ---: A.C. Well inventory F
349\1EW ---: A.D. Bahrain springs F
349\1EX ---: A.E. The groundwater model F
349\1GC ---: A.F. Hydrology F
349\1EY Vol.4. Agriculture F
349\1EZ Vol.5. Engineering & development planning F
349\1FA ---: A.A. The Agricultural Development Centre F
349\1FB ---: A.B. Development specification F
349\1FC Album 1. Soils, hydrology & the groundwater model
349\1FD Album 2. Engineering drawings

81 349 GDC response to MAW: queries on UER final report.
349 Discussion & documentation supporting GDC letter to
Ministry of Agriculture, Saudi

349GF Schematic landform & soil classification sheets 1-9
349GG ---: sheets 11-16

AFLAJ PLAIN AGRICULTURAL IMPROVEMENT SCHEME

Client: Saudi.Ministry of Agriculture & Water
Finance: Government of Saudi Arabia
Companies: MMP/HTS

Summary of Progress

75 260A Interim report no.1
260B Interim report no.2 F

Feasibility Report

260C Pt 1. Development potential F
Pt 2. As Sayh project
260D Summary of development recommendations F
260E Album of maps & drawings
260 Volume in Arabic F

74 242 Memorandum on agricultural development F

WADI NAJRAN PROJECT

Client: Saudi.Ministry of Agriculture & Water
Finance: Government of Saudi Arabia
Companies: Binnie/HTS/Mander Raikes & Marshall

74 240F Feasibility report F
- 240C Appendices B. Topography F
C. Geology
D. Pedology
240E Appendix E. Agriculture F
240D Appendices F. Water supply augmentation F
G. Engineering

RIYADH SOCIO-ECONOMIC DEVELOPMENT PLAN NORTHERN REGION

Client: Saudi Central Planning Organisation

Finance: Client

Companies: EIU/MMP/HTS/Preece Cardew

- 74 233A Water resources. Draft F
233K 1st progress report F

Technical Report

- 233B Report F
233C Annex 1. Natural resources F
233D A.2. Human resources F
233E A.3. Productive resources F
233F A.4. Physical & social infrastructure F

Final Report

- 233G Executive summary F
233H Vol.1. F
233I Vol.2. F
233J Vol.3. F

RIYADH ADDITIONAL WATER RESOURCES STUDY

Client: Saudi Ministry of Agriculture & Water

Finance: Government of Saudi Arabia

Companies: MMP/HTS/Pencol Engineering

- 73 216A Planning & cost survey : summary F
216B Planning & cost survey F
216C Interim report no.1. F
216D- -- no.2. F
216E - - - no.2. : Appendices F
216F Vol.1. Main report F
216G Vol.1. In ARABIC F
216H Vol.2. Geology & geophysics F
216I Vol.3. Hydrogeology F
216J Vol.4. Engineering F
216K Appendix A1. Minjur hydrogeology F
216M A.A2. Wasia hydrology F
216N A.B. Borehole logs F
216L A.C. Engineering F
216O Maps & drawings F
216P Summary F
216Q Summary of progress April, June, July, October 1974 F
216R Forward programme of work & budget F

HAMRANIYAH IRRIGATION PROJECT IN THE STATE OF RAS AL KHAIMAH

Client: Saudi Arabia. Ministry of Agriculture & Water

Companies: MMP/HTS

Feasibility Report

- 71 182A Main report F
182B Annex 1. Present situation F
A.2. Land classification#
A.3. Groundwater
182C Annex 4. Agricultural development F
A.5. Water requirements
A.6. Engineering
A.7. Organisation & management
A.8. Village & community centre
A.9. Cost estimates
A.10. Economics

SENEGAL

- 56 30 Report on the photogeological interpretation of the Dakar region F
30E Etude photogeologique F
Client: Societe Africaine des Petroles
Company: Societe de Prospection Aeroportee
-

SEYCHELLES

- 76 293 Natural resources, land use & agriculture F
Client: Seychelles/Freeman Fox
Company: HTS
-

SIERRA LEONE

PROPOSED RESTRUCTURING OF MAF & MNR

Client: Sierra Leone.Ministry of Agriculture & Forestry
Finance: International Development Agency
Companies: HTS/Rokel

- 81 464 Vol.1. Summary F
464A Vol.2. Main report F
464B Vol.3. Annexes F

LIVESTOCK DEVELOPMENT STUDY

Client: Sierra Leone
Finance: EEC
Companies: HTS/Resources ManagementResearch/ILCA

- 79 387 Vol.1. F
387A Vol.2. F

- 65 69 Report on a continuous seismic profiling survey F
Company: HGG
-

SOLOMON ISLANDS

FORESTRY PROJECT IDENTIFICATION MISSION

Client: Min.Natural Resources
Finance: ODA
Companies: HTS/NRI

- 91 748A Final report. Draft

SOMALIA

BRITISH ASSISTANCE TO THE NATIONAL TSETSE TRYPANOSOMIASIS CONTROL PROJECT

Client: ODA/ODNRI

Finance: Client

Companies: HTS/Agricair/HAS

Transition Phase 1987-1989. Progress reports

- 637A Sept, Oct, Nov, Dec 1987 F
637E Jan, Feb, Mar, Apr, May, June 1988 F
637G Jul, Aug, Sept, Oct 1988 F
637M Progress reports February, March-May 1989

Transition Phase Operation 1987-88

- 88 637C Interim report, by W.R. Wooff F
88 637L Interim report, by W.R. Wooff F
637H Report of the Independent Arbitrator & the
Trypanosomiasis Specialist F
89 637K Final report of the Independent Arbitrator &
Trypanosomiasis Specialist F
88 637N Social development study of fourteen marker villages in
the in the Middle Shabelle region. Report no.3 F
in association with ODRINTTCP TTPP
637P

HOMBOY AREA & SMALLHOLDER BANANA CULTIVATION IN THE LOWER JUBA VALLEY & ASSESSMENT OF AGRICULTURAL BENEFITS

Client: Somalia. Ministry of Juba Valley Development

Company: MMP

- 87 609A Interim report F
609B Main report. Draft F
609C Annex 1. Homboy feasibility study. Draft
609D A.2. Smallholder banana development. Draft F
609E A.3. Agricultural & flood control benefits. Draft F
609F Album of drawings. Draft

FARJANO SETTLEMENT PROJECT

Client: Somalia. National Refugee Commission

Finance: UN High Commission for Refugees

Companies: MMP/HTS

- 85 577A Land evaluation with July 1985 amended soil moisture
retention results F

CUSTODIAL CORPS FARMS. FEASIBILITY STUDY FOR REHABILITATION & MANAGEMENT

Client: Duco Ltd

Finance: Somalia. Custodial Corporation

Companies: MMP/HTS

- 84 564A Final report F

SHEBELLE WATER STRATEGY STUDY & DUDUBLE FEASIBILITY STUDY

Client: Somalia. Ministry of National Planning

Company: MMP

- 84 375A Terms of reference F

**BAY REGION AGRICULTURAL DEVELOPMENT PROJECT MID TERM
REVIEW**

Client: Bay Region Agricultural Development Project

Finance: World Bank

Company: HTS

- | | | | |
|----|------|---|---|
| 83 | 548A | Vol.1. Main report | F |
| | 548B | Vol.2. Annex 1. Crops | F |
| | | A.2. Livestock | |
| | 548C | Vol.3. A.3. Roads | F |
| | | A.4. Water supply | |
| | 548D | Construction equipment specialist report, by R.Downs
of Taylor Woodrow | F |

BAY REGION AGRICULTURAL DEVELOPMENT PROJECT

Client: Somalia. Ministry of Agriculture

Finance: IFAD/FAO

Companies: HTS/MMP/Resource Management & Research

- | | | | |
|----|------|---|---|
| 82 | 516 | Vol.1. Main report | F |
| | 516A | Vol.2. Technical appendices | F |
| | | A.A. Computer analysis of satellite data-the HIPAS studies | |
| | | A.C. Aerial census survey | |
| | | A.D. range resources | |
| | | A.E. Livestock | |
| | 516B | Vol.3. Resource & planning maps | F |
| | 516C | Aerial livestock & resource survey of the Bay region
1982, by R. Watson & J. Nimmo | F |

FLOOD DAMAGE ASSESSMENT STUDY

Client: Somalia/FAO

Finance: FAO

Companies: MMP/HTS

- | | | | |
|----|------|--|---|
| 81 | 471B | Main report | F |
| | 471A | Annex 1. Somali National Flood Committee draft report:
translation & original text | F |
| | 471C | Selection of photographs taken during & after the Gu
floods on the Shebelli & Juba rivers | |

**RECONNAISSANCE & PREFEASIBILITY STUDIES IN JALALAGSIE
& JOWHAR DISTRICTS & GEDO REGION**

Client: Somalia.National Refugee Commission

Company: MMP

- | | | | |
|----|------|---|---|
| 80 | 430 | Reconnaissance report | F |
| | 430A | Prefeasibility report for Jalalagsie & Johwar districts | F |
| | 430B | Prefeasibility report for Gedo region | F |

MOGAMBO IRRIGATION PROJECT

Client: Somalia. State Planning Commission

Finance: KFAED/KfW

Companies: MMP/HTS/Story

	391J	Supplementary feasibility study: Album of drawings	
	391K	Main report	
	391L	Annex 1. Hydrology & climate	F
		A.2. Soils	
	391M	A.2. Appendix. Soil & land classification maps	
	391N	A.3. Agriculture	F
		A.4. Livestock	
	391O	A.5. Engineering	F
	391P	A.6. Infrastructure & institutions	F
		A.7. Economics	
	391R	Topographic maps : Spot height overlays	
	391S	--- : Orthophotographs	
	391T	Additional study for an alternative development	F
82	391U	Mogambo rice mill feasibility study: final report	F
84	391V	Agricultural operations & mechanisation planning report	F
84	391W	Provision of services for agricultural management: terms of reference	F

HOMBOY IRRIGATED SETTLEMENT PROJECT

Client: Somalia. Settlement Development Agency

Finance: Kuwait Fund for Arab Economic Development

Companies: HTS/HSL/MMP/Brammah

79	396	Vol.1. Soils	F
80	396A	Vol.2. Physical planning	F
	396B	Vol.3. Agricultural planning	F
	396C	Vol.4. Main report	F
	396D	Design criteria : irrigation & drainage works	F
81	396E	Client's comments on final report Consultants response	F

FANOOLE SETTLEMENT PROJECT. PHASE 1.

Client: Somalia. Settlement Development Agency

Finance: Kuwait Fund for Arab Economic Development

Companies: HTS/MMP

78	364	Reconnaissance report	F
	364A	--- : Map volume :Soils; Land suitability	

GENALE BULO MARERTA PROJECT

Client: Somalia

Finance: African Development Fund

Companies: MMP/HTS

78	343	Vol.1. Master plan	F
	343A	Vol.2. Feasibility study. Main report	F
	343B	Map supplement : orthophotographs of Qoryooley project; Maps of the study area	
	343C	Annex 1. Soils	F
	343D	A.2. Water resources	F
	343E	A.3. Human resources & institutions	F
		A.4. Existing agriculture	
	343F	A.5. Livestock	F
	343G	A.6. Potential for agricultural development	F
	343H	A.7. Engineering	F
	343I	A.8. Economic & financial analysis	F
		A.9. Management & implementation	
	343J	A.10. Survey data	F
		A.11. Inception report	

INTER-RIVERINE AGRICULTURAL STUDY

Client: Somalia. Settlement Development Agency
Finance: Kuwait Fund for Arab Economic Development
Companies: HTS/MMP

- 77 313 Soils of the Dujuma settlement area F
- 313B Final report F
- 313C Maps - Soils maps

JOWHAR SUGAR ESTATE DRAINAGE & RECLAMATION STUDY

Client: Somalia. Ministry of Industry
Finance: Societa Nazionale Agricola Industriale
Companies: MMP/HTS

- 76 277 Report F
- 77 277A Review of Phase 1 development F
- 78 277C Drainage trials 1978 F
- 277D -- : appendices F
 - Incl. A.C. Irrigation & drainage data
 - A.D. Watertable data
 - A.F. Soils data
 - A.G. Climate
 - A.H. River salinity

AFGOI MORDILE IRRIGATION PROJECT

Client: Somalia. Ministry of Agriculture
Companies: MRT/MMP

- 73 373A Pre-design phase report F
- 76 373G Economic appraisal of proposed Afgoi Mordile ginnery & oil mill F
- 373C Report on a visit by H. Jordan to the A.M.I.P. 1976 F
- 79 373B Reappraisal study : final report F
- 373D Rice mill study F
- 373E Feedlot study F
- 80 373H Golweyn banana project : appraisal study. Draft F
- 85 373J Supplementary feedlot study F

LIVESTOCK SECTOR REVIEW & PROJECT IDENTIFICATION

Client: Somalia
Finance: Kuwait Fund for Arab Economic Development
Companies: HTS/Gunn Rural Management/Sudanese
Investments & Consultants

- 283 Vol.1. Summary & main report F
- 283A Vol.2. Project identification F
- 283B Vol.3. Annexes F
 - Incl. A.A. Range management & bush control
 - A.B. Water resources
 - A.D. Food & nutrition
 - A.F. Marketing & processing
- 283C Vol.4. Maps, incl. Hydrogeological units

JOWHAR OFFSTREAM STORAGE PROJECT

Client: Somalia. Ministry of Agriculture
Company: MMP

- 73 218 Pre-design phase report F

WATER CONTROL & MANAGEMENT OF THE SHEBELLI RIVER

Client: FAO/UNDP

Finance: FAO

Companies: HTS/MMP

- | | | | |
|----|------|--|---|
| 68 | 140J | Note on engineering reconnaissance | F |
| 69 | 140A | Interim report | F |
| | 140B | Vol.1. General report | F |
| | 140C | Vol.2. The Balad flood irrigation project | F |
| | 140D | Vol.2A. Technical annex to Vol.2. | F |
| | 140E | Vol.3. The Afgoi Mordile controlled irrigation project | F |
| | 140F | Vol.3A. Technical annex to Vol.3. | F |
| | 140G | Vol.4. Water resources & engineering | F |
| | 140H | Vol.5. Soils & agriculture | F |
| | 140I | Vol.4A\5A. Annexes to Vols 4 & 5 | F |
| 62 | 63 | Geological evaluation of airphoto mosaics in the southern coastal zone
Client: Sinclair Somal Corporation
Company: HTS | F |
| 60 | 49 | Report on the geology of an area in central Somalia
Client: Sinclair Somal Corporation
Company: HTS | F |

SOUTH AFRICA

- | | | | |
|----|-----|--|---|
| 66 | 54A | Report on the photogeological mapping of an area in South Africa
Client: Southern Oil Exploration Corporation
Company: HGG | F |
|----|-----|--|---|

SPAIN

A FEASIBILITY STUDY FOR THE IMPLEMENTATION OF AN INTEGRATED SYSTEM OF CONTROL & ADMINISTRATION IN SPAIN

92 780A Interim Report.
780B Final Report DRAFT
780C Final report

NEAR-REAL TIME VEGETATION MONITORING USING AVHRR: CASTILLA-LEON

90 720A Interim report F
92 720B Final report

VEGETATION CONDITIONS & YIELD INDICATORS FROM METEOROLOGICAL SATELLITE DATA: CASTILLA-LEON

Client: JRC
Company: HTS

704A Progress report February 1990 F
90 704B Final report
704C Final report: technical annex

ESTIMACION DE LAS SUPERFICIES DE CULTIVOS DE VERANO EN LAS PROVINCIAS DE VALLADOLID Y ZAMORA, UTILIZANDO IMAGENES DE SATELITE

Client: JRC
Companies: HTDS/Auxiliar de Recursos y Energia

90 699A Informe final F

ESTIMATION OF SUMMER CROP AREAS IN VALLADOLID & ZAMORA PROVINCES USING SATELLITE IMAGERY

90 699B Final report F

VEGETATION CONDITIONS & YIELD INDICATOS FROM LOW RESOLUTION SATELLITE DATA: CASTILA-LEON

Client: JRC
Companies: HTS/Auxiliar de Recursos y Energia

89 657A Interim report no.1 F
89 657B Interim report No.2 F

REGIONAL CROP INVENTORY FROM SATELLITE IMAGERY, CASTILLA-LEON

Client: EEC/JRC
Finance: EEC
Companies: HTS/Auxilair de Recursos y Energia

88 646A Report 1 F
88 646B Report 2 F
89 646C Report 3 F
89 646F Interim report 1 F
89 646G Interim report 2 F
89 646D Final report F
646J Final report - year 2 F
90 646M Final report - year 3
91 646N Supplement to final report year 3: summer crop production
survey results
646E Contents of documentation folder F
89 646H Summary report F
91 646P Analysis of 1989 crop inventory data of Castilla Leon: final report

REGIONAL CROP INVENTORY FROM SATELLITE IMAGERY 1990

- 90 646K Interim report no.1
- 90 646L Interim report no.2
- 646Q Final report year 3 December 1990
- 91 646R Final report year 4 Dec.91 (revised March 92)
- 87 617A Report on interpretation of airborne thematic mapper of El Cabril area
- 81 220A Soils & land classification: Monegros, provinces of Zaragosa & Huesca F
 Client: Private
 Finance: Private
 Company: HTS
- 76 219A Soil & land classification: Bardenas, 11 F
 Client: Spain. Ministry of Agriculture
 Finance: Client
 Company: HTS
- 64 371 Survey of the proposed road Barcelona to La Junquera 1964: F
 report on the field survey control for photogrammetric mapping
- 371A Survey of the proposed roads Barcelona to Massinat & F
 hinterland routes: report on the field survey control for
 photogrammetric mapping
 Client: Spain. Ministerio de Obras
 Companies: HSL/Ingenieurburo
- 101 Report on soil & land use in the Algerri-Balaguar area F
 Companies: Recursos Naturales/HTS
- 100 Report on soil & land use in the Bajo Muga area F
- 63 75 Report on geological & soils studies for the highways of F
 Bilbao-San Sebastian-Vitoria
 Client: Spain. Ministerio de Obras Publicas
 Company: HTS
- 63 73 Tierra de campos occidentale region: report on soil & F
 land classification survey
 Client: Toram Tams
 Company: HTS

SRI LANKA

ADB ASSISTED NORTH WESTERN PROVINCE WATER RESOURCES DEVELOPMENT PROJECT

Client; Min. of Irrigation Power & Energy
Company: HTS

- 93 824, Work Programme for Environmental Consultants Dec.93
824A Progress Report No.1 Environmental Programme Dec.93
824B Summary Report May 94
824C Progress report No 2 Environment & Watershed Management Programmes
Nov.94

ADB LAND USE PLANNING PROJECT

Company: HTS

- 90 703A Technical reports & memos drafted by Senior Land Use Planner F
80 422 Monaragala sugar sub-sector study F
Client: Ministry of Agricultural Development & Resources
Companies: HTS/Resources Development

MONARAGALA LAND USE STUDY

Client: Ministry of Agricultural development & Research
Finance: IBRD
Companies: HTS/Resources Development

- 80 411 Inception report F
411A Final report F
411B Maps
1. Reconnaissance soils & terrain
2. Forestry, wildlife & proposals
3. Geology & water resources
4. Soils & land suitability

VICTORIA SCHEME MAHAWELI DEVELOPMENT PROJECT

Client: Sri Lanka.Ministry of Mahaweli Development
Finance: ODA
Companies: HTS/A.Gibb/Brammah

- 78 357I Report on topographic survey F
78 357A Water management F
79 357M Report on additional work to complete Phase 1 studies F
80 357AO Irrigation systems trials unit Block 404, system H F

Feasibility Study

- 79 357J Proposals for irrigation system trials in Block 404 System C F

Phase 1. Preliminary Feasibility Report		
78	357C Vol.1. Main report	F
	357D Vol.2. Annexes A-L. Engineering	F
	357E Vol.3. Drawings for engineering annexes	
	357F Vol.4. Pt 1. Annexes M-S	F
	A.M. Soils & land classification & map	
	A.N. Agronomy	
	A.P. Water management	
	A.R. Forestry	
	A.S. Environmental considerations	
357G	Vol.4. Pt 2. Annexes T-X	F
	A.T. Agricultural economics	
	A.U. Farm mechanisation	
	A.V. Storage & processing	
	A.W. Sociology	
	A.X. Organisation management training	
357H	Vol.5. Annexes Y-Z	F
	A.Y. Settlement planning	
	A.Z. Development economics	

Phase 1. Feasibility Study

78	357L Administrative reports June, August 1978	F
78	357K Inception report	F
78	357B Interim engineering report	F
	357Y Additional preliminary drawings related to draft Interim Engineering report	
78	357 Mid term report	F

System C. Feasibility Study

79	357N Inception report	F
80	357AD Main report	F
79	357R Vol.1A. A. Environmental considerations	F
	B. Soils & land classification	
	C. Groundwater resources	
80	357AC Annex B. Soils & land classification. Revised	F
	357S Vol.1B. D. Agronomy	F
	E. Water management	
	F. Irrigation system design review	
	357T Vol.2. G. Forestry	F
	H. Land clearing & on farm development	
	I. Fisheries	
	J. Livestock	
	K. Farm power	
	357U Vol.3. L. Marketing	F
	M. Training & extension	
	N. Health	
	357V Vol.4. O. Sociology	F
	P. Organisation & management	
	357W Vol.5. Q. Settlement & infrastructure	F
	S. The pilot phase	
	357X Vol.6. R. Economic & financial evaluation	F
	T. The sugar project	

- 357BF Sugarcane trials unit. Draft F
 357BN Sugar cane feasibility study: preliminary report
 79 357BP Visit to Mahaweli Ganga sugar project
 357BE Administrative reports Apr, May, July, Aug, Sept 1979 F
 357O Upland cropping experimental unit F
 357AG Irrigation system trials unit Block 404, Sytem H: F
 construction report

System C

- 79 357BG Preliminary report on 1978-79 geotechnical investigations, F
 Uihitiya & Ratkinda Dams
 80 357Z Implementation plan for Zone 2 of Sytem C F
 357AA Observations on agricultural production, by I. Townes F
 Irrigation systems trial unit D2-H404

System C Final Designs & Detailed Cost Estimates

- 81 357BD Development plan F
 80 357BA --- : map folder
 357AW --- : Annex A. Project components F
 357AX --- : A.B. Drainage investigations F
 357AY --- : A.C. Agronomic investigations F
 81 357BH Sample area plan (zone 4)
 357BC --- : map folder
 80 357AV Irrigation systems trials unit Block H404, 2nd monitoring F
 (final) report
 357AP Quarterly reports, 1st-4th July 1980-April 1981 F

System C Final Designs & Detailed Cost Estimates

Working Papers

- 80 357AB 1. Project procurement actions F
 2. Drainage investigations
 3. A policy on tanks
 4. Zone 6 development & a framework for evaluating
 farm turnout areas
 5. Potential for lift irrigation in System C
 357AK 6. Feasibility of degveloping Zone 6 F
 7. Comparison of gravity & pumping methods of
 supplying irrigation water to Zone 6
 8. System C: ponding tests determination of
 seepage in typical soil types
 9. Hungamala Ela drainage basin investigation of
 possible flood protection measures

Monitoring & Progress Control Unit

Management Briefs

- 357AE 1\80, 2\80, 3\80 F
 357BK Engineering briefs EMB 4\80, 6\81 F
 357BJ Downstream development settlement & production F
 MB 4\80, 3\81, 6\81

**Establishment & Operation of a Central Monitoring
& Progress Control Unit**

- 357AH Final report 1980 F
 357BL Final report 1980-82 F

	Mahaweli Ganga Development Project 3	
80	357BM Aide memoire	F
77	319 Management of the Upper Mahaweli catchment	F
	319A Case for a management of the Upper Mahaweli catchment	F
	Client: Ministry of Irrigation, Power & Highways	
	Finance: Mintry of Overseas Development	
	Company: HTS	
	UDA WALAWE PROJECT	
	Client: Sri Lanka.River Development Board	
	Finance: ODA	
	Company: HTS	
68	123A Progress reports, Sept-Oct 1967, Noc-Dec 1967	F
	123B Interim report	F
	123C Report. Vol.1. Summary	F
	123D- - - : Vol.2. The outline development plan	F
	123E Soil survey	
	SURVEY OF THE RESOURCES OF THE KELANI-ARUVI AREA	
62	379A Report	F
	379B Tables, maps & diagrams	

SAINT KITTS

- 71 226A Report on the sugar industry F
72 226B Feasibility study & report on the reorganisation of the F
sugar industry
226C --- : appendices F
Client: St Christopher, Nevis & Anguilla
Company: Peat Marwick Mitchell
- 71 171 Agricultural credit in St Kitts & Nevis F
Client: St Kitts, Nevis & Anguilla/ODA
Finance: Overseas Development Administration
Company: HTS

SAINT LUCIA

**MABOUYA VALLEY DEVELOPMENT AUTHORITY RURAL DEVELOPMENT
SOCIAL INFRASTRUCTURE PROJECT**

Client: Saint Lucia.Ministry of Finance & Planning
Company: HTS

- 667A Quarterly reports Jan-Dec 89 F
667C Work programme/cost estimate, Apr90-Mar91 Draft
- 89 667B A monitoring & evaluation manual for the MVDP F

DRAINAGE & LAND CONSERVATION PROGRAMME

Client: St Lucia
Finance: EEC
Company: HTS

Progress reports

- 594B 1-3. Apr-Jun, Oct-Dec.1985, May,Sept 1986 F
594E 4-7 Jan-Dec 86 F
594J 8-9 Jan-May,June-Sept 1987 & Final progress report' F
- 86 594A Hydrometeorological report F
87 594K Final report F

**ROSEAU, DENNERY CUL-DE-SAC DRAINAGE & CONSERVATION
PROJECT**

- 84 562A Vol.1. Main report F
562B Vol.2. Appendices F
Incl. A.C. Soils & agriculture
A.D. Hydrological network
A.E. Topographical survey
A.F. Available mapping & photography
- 562C Vol.3. Maps- Present land use Erosion hazard F

WATER RESOURCES DEVELOPMENT STUDY

Client: Saint Lucia
Finance: EDF
Company: Binnie

- 78 350A Stage 1 report F
350 Stage 3 report F
- 71 175 Agricultural credit F
Client: St Lucia
Finance: ODA
Company: HTS

SUDAN

KHOR ARBA'AT REHABILITATION PROJECT

✓ 95 859 Soils & Land use in Arba'at Delta Aug 95

JEBEL MARRA RURAL DEVELOPMENT PROJECT LAND USE PLANNING STUDIES PHASE 3

✓ 94 836 Draft report Jul.94 *Ned Munro*
836A Mechanical Engineering Report Aug.94
836B Annual Report Jul.93-Jun.94
836C Agricultural Extension Report Nov.94
836D Final Report Apr. 95 *Ned Munro*

FOOD GRAIN STORAGE & FOOD GRAIN BANKS AT THE HOUSEHOLD, VILLAGE & RURAL COUNCIL LEVEL, KAZGAIL RURAL COUNCIL KODORFAN REGION SUD/87/008 SUD/87WO1

92 800 Report of the evaluation mission

AREA DEVELOPMENT SCHEME LOWER ATBARA

SUD/90/005/A/01/99

Client: Government of Sudan

Company: HTS

92 781A Project Document
781B Inception report & work plan June92-Dec.92
781C Water resources consultant - first input report Nov.92
781D Rural crafts specialist report Dec.92
781E Credit & institutions specialist report Dec.92
781F Water supply engineering report
781J Monitoring & Evaluation Consultant report
781K Initial Assessment & Evaluation of Ground Water Resources
93 781M Water resources consultant; Second input report Apr.93
781N Baseline survey report 1992 Apr.93
781R Agroforestry : I.M.Gadalla
781S Woman & Development Specialist report Oct.93
781T Soil Studies Oct.93
781U Eureka Port-A-Rig Report by P.Ball 3-18 Nov.93
781V Soils/Land Use & Irrigation Agronomist Report: Nov.93
94 781W Irrigation Agronomist 3rd Input Towards the Development of a
Farm Planning Model Report: Feb 94
781X Training Programme in Participatory Rural Appraisal Report By Dr. R.Leurs
781AB Water Resources Consultant 3rd Input report May 94
781AD Report on study tour to Kenya
781AF Water resources component Hydrogeological survey May 94
781AG Rangelands & Grazing Resources Survey Jun.94
95 781AH Credit Systems & Institutions Report Jan/Feb.95
781AJ Final Report of CTA Mar.95

PROGRESS REPORTS

781G 1 Oct-31 Dec. D

781L 1 Jan-31 Mar 93

781O 1 Apr-30 Jun 93

781Y Jul-Dec 93

781AC Jan-Jun.94

781AI Jul.- Dec.94

WORK PLAN

781H 1Jan-30Jun DRAFT
781P 1Jul-31Dec DRAFT
781Q 1Jul-31Dec FINAL
781Z 1Jan-30Jun94 DRAFT
781AA 1 Jan-30 Jun.
781AE 1Jul.-31 Dec. 94

AGADI FARM MANAGEMENT STUDY

Arab Authority for Agricultural Investment & Development
Company:HTS

✓ 90 717A Final report F

AREA DEVELOPMENT SCHEME

HTS/Hall Tracey-White
Project Drafting Mission Report

✓ 90 696A Central Butana F
696G Central Butana (Eastern Region) F
696B North Darfur F
696C South Darfur F
696D Lower Atbara F
696H Lower Atbara (Northern region) F

AREA DEVELOPMENT SCHEMES PHASE 2

90 696E Project drafting mission team report F
90 696F Appendix D. Mission report. Preparatory assistance for area development schemes North & South Darfur by D. O'Hara. Small Scale Rural Industries Advisor F

ADES-REFUGEE PROJECT. Finnish Support to Agricultural Development in the Refugee affected Areas in Eastern Sudan. Phase 3.

Client: FINNIDA
Company: Adesco
Project documents: work plans 1989-90

✓ 89 683A Annex 4. Land use planning in settlements

ECONOMIC WATER PLANNING MODEL: EASTERN REGION INSTITUTIONAL REVIEW OF THE WATER SECTOR & INSTITUTIONAL CAPABILITY STUDY

Client: Sudan
Finance: UN Dept for Tech.Cooperation for Development
Company: HTS

~~89~~ 681A Final report F

MONITORING VEGETATION & LAND USE CHANGE IN SELECTED AREAS OF SOUTH DARFUR - A METHODOLOGY USING SPOT SATELLITE IMAGERY

Client: Sudan.Western Savannah Development Corporation
Company: HTS

✓ 89 675A Final report

RECYCLING OF PESTICIDE CONTAINERS

Client: Sudan.Ministry of Agriculture.Advisory Unit for Agricultural Corporations/World Bank
Company: HTS

✓ 89 663A Final report F

BLUE NILE PUMP SCHEMES MODERNISATION STUDY

Client: Sudan.Ministry of Finance & Economic Planning

Companies: A.Gibb/HTS/Newtech

- 89 655A Inception report F
- 89 655B Institutions, organisation & management study

Final report

- 90 655D Vol.1. Executive summary.
 - 655E Vol.2. Main report.
 - 655F Vol.3. Representative group reports.
 - i. Busata
 - ii. Kassab
 - 655G Vol.4. Representative group reports.
 - iii. Wad Hashim
 - iv. Nayra
 - 655H Vol.5. Annex A. Soils & land classification.
 - A.B. Agriculture
 - 655J Vol.6.
 - A.C. Mechanisation
 - A.D. Livestock
 - A.E. Forestry
 - A.F. Agro-economics
 - 655K Vol.7.
 - A.G. Pump stations
 - A.H. Link canals
 - A.I. Irrigation & drainage
 - A.J. Electrification
 - 655L Vol.8.
 - A.K. Institutions
 - A.L. Sociology
 - 655M Vol.9. Drawings. Representative groups. Draft
 - Incl. Soil & Land suitability maps
 - 655N Vol.10. Drawings. Non-representative groups. Draft
 - Incl. Project area soil & land suitability maps
- NB 655C not used

WHITE NILE PUMP SCHEMES MODERNISATION STUDY

Client: Sudan.Ministry of Finance & Economic Planning
Companies: A.Gibbs/HTS/Newtech

- 88 647A Inception report F
- 88, 647B Working paper F

Final Report

- 89 647C Vol.1. Executive summary F
- 647D Vol.2. Main report
- 647E Vol.3. Representative area: Ed Dueim north & south
- 647F Vol.4. Representative area: El Ghazala
- 647G Vol.5. Annex A. Soils & land classification
 - A.B. Agriculture
- 647H Vol.6. A.C. Livestock
 - A.D. Forestry
 - A.E. Agro-economics
- 647J Vol.7. A.F. Pumping stations
 - A.G. Link canals
 - A.H. Irrigation & drainage
 - A.I. Electrification
- 647K Vol.8. A.J. Institutions
 - A.K. Orgainsation & management
 - A.L. Agricultural extension
 - A.M. Sociology
- 647L Drawings for representative areas
Incl. Soil & land suitability maps
- 647M Drawings for non-representative areas
Incl. Soil & land suitability maps

- 87 629A Agricultural consultancy F
 - Client: Sudan.Ministry of Finance & Economic Planning
 - Finance: EEC

WATER YARD REHABILITATION PROJECT

Client: Sudan
Finance: Overseas Development Administration
Companies: HTS/MMP

- 87 615A Inception report on water yard operations & maintenance systems F
- 87 615B Water yard operations: report by the Systems Advisor F
 - proposed water yard maintenance system
 - Company: HTS

SUDAN RESOURCE MANAGEMENT STUDY

Client: World Bank
Finance: Client
Company: HTS

- 613A Natural resource data assessment report F

EQUATORIA REGION AGRICULTURAL PROGRAMME 1984-86

- 86 600A Report of the mid term mission F
- 86 590A Economic development potential study, East Bank Eastern F
 - Equatoria
 - Client: Norwegian Church Aid
 - Company HTS



MONITORING OF AGRICULTURAL INPUTS

Client: Sudan. Sudan Gezira Board
Finance: Kreditanstalt fur Wiederaufbau
Companies: HTS/TDRI

- 582A Report on a visit to the Pesticide Residue Laboratory of the Plant Protection Department Ministry of Agriculture, Wad Medani, September 1985, by J. Cox F
- 86 582B Tender instruction documents for agricultural chemicals F
- 86 582C Programme 1985-86. Main report F
- 582E ---: Annexes F
- 86 582D ---: Addendum Vol.3. Hazards to the environment: the integrated pest management concept F



QUREIDA SETTLEMENT SCHEME

Client: Sudan
Finance: UNDP
Company: HTS

- 85 581A Report F



NORTHERN REGION IRRIGATION REHABILITATION PROJECT

Client: ODA
Companies: MMP/HTS/Price Waterhouse/Assoc. Consultants
Phase 1 Studies Interim Report



- 84 575A Vol.1. Main report F
- 575B Vol.2. Annexes. Study 1 F
 - A.1A. Pumps & pumpstations
 - A.1B. Canal systems
 - A.1C. Agriculture
 - A.1D. Sediment problems
 - A.1E. Economics
- 575C Vol.3. Annexes. Studies 2-5 F



Final Report

- 85 575D Vol.1. Main report F
- 575E Vol.2. Annex 1A. River engineering & sediment problems F
 - A.1B. Pumpstations
 - A.1C. Irrigation & drainage
- 575F Vol.3. A.2. Finance, management & accounting F
 - A.3. Fuel supply & distribution
 - A.4. Workshops
- 575G Vol.4. A.5. Training F
 - A.6. Transport, communications & buildings
 - A.7. Agriculture
 - A.8. Economics

Phase 2 Studies

- 86 575H Discussion papers F
- 86 575I Non KSK studies. Interim report. Vol.1. Main report F
- 575J ---: Vol.2. Annexes F
 - A.1. Agriculture
 - A.2. Pump stations
 - A.3. Irrigation
 - A.4. Financial & economic aspects
- 86 575K ---: Final report. Vol.1. Main report F
- 575L ---: Vol.2. Annexes F
 - A.1. Agriculture
 - A.2. Pumpstations
 - A.3. Irrigation
 - A.4. Financial & economic aspects

- 85 574A Mapping land use change from Landsat satellite imagery: F
results of a pilot study in Southern Darfur
- 85 574B Analysis of Landsat satellite data to determine F
variations in green vegetation cover

REHABILITATION OF HOUSEHOLD GARDENS

Client: UNDP
Finance: Client
Company: HTS

- 85 569A Report on procurement, packaging & distribution of seed F
- 85 569B Evaluation report F

AGRICULTURAL EXTENSION PROCESSING & MARKETING STUDY, EAST BANK EQUATORIA

Client: Norwegian Church Aid
Finance: Client
Company: HTS

- 84 556A Final report F

COTTON MARKETING STUDY

Client: Sudan.Ministry of Finance & Economic Planning
Companies: MMP/Assoc.Consultants/Brit.Cotton Growing Assoc.
/HTS/Mott Hay & Anderson/Peat Marwick

NO PSS!

- 84 553A Feasibility study. Main report F
- 553B ---: Annex 1. Inventory F
- 553C ---: A.2. Pest control F
 - A.3. Ginning
 - A.4. Transport & storage
- 553D ---: A.5. Grading & testing F
 - A.6. Telecommunications
 - A.7. Marketing organisation & management
 - A.8. Financial & economic analysis
- 84 553E ---: Inception report F

NORTHERN & NILE PROVINCES

- 83 552A Development on the Main Nile F
- 84 552B Additional notes on development of the Main Nile F

JONGLEI CANAL PROJECT

Client: Sudan.Ministry of Finance & Planning
Company: MMP

- 83 534A Appraisal study : final report F

AGRICULTURAL INPUTS & REHABILITATION PROJECT

Client: Sudan
Finance: EEC
Company: HTS
Preparation study

- 82^t 494
- 80 447 Review of integrated land & water resources development F

KAGWADA RURAL DEVELOPMENT PROJECT

- 80 439 Hydrogeological investigations F
- 79 400 Hydrometeorology of South Kordofan Province F

WESTERN SAVANNAH DEVELOPMENT

Client: WSDC/Overseas Development Administration
Company: HTS
Annual, semi-annual & quarterly reports

- 381A Annual work programme 1982-1983 F
- 381D Quarterly report Jul 82-Sept 82
- 381E Annual report Jul82-Jun 83 F
- 381F Semi-annual report Jul-Dec 83 F
- 381B Annual work programme Jul 83-Jun84 F
- 381G Annual report Jul83-Jun 84. Main report F
- 381H Annual report Jul 83-Jun 84. Annexes 1-6 F

Annual, semi-annual & quarterly reports Phase 2

- 381AG Annual report Jul 86-Jun 87
- 381X Quarterly report Sept86 F
- 381AK 6 monthly report Jul-Dec87
- 381AL Annual report Jul 87-Jun 88. Vol.1.
- 381AM Annual report Jul 87-Jun88. Vol.2.
- 381AH Annual work programme 1988-1989

Agronomy Section

- 381N Annual report 1984. Research document 6
- 381AN Annual report 1985. Research document 7 F
- 86 381W Review of experimental results in 1984 & 1985 & programme of work for 1986 F
- 88 381AX Work programme 1988-1989, by A. Pomfret. Draft
- 381BA Annual report 1988. Research document 11 F
- 381BB Annual report 1989. Research document 12 F
- 90 381AW Programme of work for 1990 wet season
- 91 381BE Research highlights 1990 season
- 92 381BF Interim report of visiting consultant agronomist March 20-April 8 92
- 90 381BG Report of visit of consultant for technical supervision of the agronomy programme August 8-23 90
- 92 381BH Programme of work for 1992 wet season
- 92 381BI Overview of agronomy programme 89-91 & Research highlights report 1991 season
- 93 381BJ Report on the Agronomy Programme 1992 season

Land Use Planning Section

- 381AI Annual report 1987-1988. Pts 1,2,4,5,6, Draft
- 381AJ - - - Pt 3. Notes compiled during 1987-1988

Agricultural Services Division

- 86 381V Inception report by Senior Agronomist
- 86 381U Inception report by the Landuse Planner F

Engineering Services Division

- 86 381S Inception report by the Mechanical Supervisor F
 381AF Monthly report Sept-Oct 87 F
 381AB Monthly report Jan-Feb 88

Planning, Monitoring & Evaluation Unit Reports

- 83 381L 1. 1982 Farmer survey F
 381J 2. 1983 Farmer survey F
 381K 3. 1984 Nomad survey

Range & pasture Section

- ✓ 87 381AC Impact of WSP-2 wateryard programme on land condition & agricultural development in South Darfur
 ✓ 79 381 Project review F
 ✓ 83 381C Interim review by IDA/ODA F
 85 381I Photographic record of the visit by the Minister of Overseas Development to Nyala February 1985
 85 381M Mechanical engineering facilities: report by Mechanical Engineer Jan-Apr 85 F
 85 381O WSDC Fact Sheet Feb.85
 ✓ 86 381P Development in Darfur: a review of the geographical, historical & economic background to development in the region, by J.Morton
 ✓ 86 381Y An indicative land use plan for the Western Savannah Project F
 86 381T Inception report of the Extension Specialist F
 ✓ 88 381AA A sociologist's view of the Western savannah Project F
 88 381AD DG's working party: main report. Draft
 ✓ 89 381AS Review of agronomic research work undertaken in the WSDC project area 1976-1988 & recommendations for future work, by M.Quin
 ✓ 90 381AT Annex A. Agronomy research catalogue 1976-1989, provisional for 1990
 ✓ 381AU Annex B. Rainfall records of Dimsu, UmmRakuba & Jumeiza development centres 1976-1988
 ✓ 381AV --- : Annex C. Supporting data for results presented in Section 5-17
 381Z Report on supervisory visit February 1987 by J.Alexander F
 381AP Report on supervisory visit April-May 1989 by J.Evans. Draft
 ✓ 90 381AR Report on the trials carried out at 3 experimental sites in South Darfur: 1983 trials results. Appendix 1. Revised results for trial ref.CRC 1983/D6. Groundnut variety trial. Research document 4.
 ✓ 90 381BC Report of visit of consultant for technical supervision of the agronomy programme August 8-23 1990 F
 ✓ 91 381BD WSDC & National Corporation for the Development of Rural water Resources wateryard rehabilitation programme: terminal report
WESTERN SAVANNAH DEVELOPMENT. PHASE 2
 ✓ 86 381R Summary report of the Consultant Agricultural Engineer 1982-1986 F
 ✓ 86 381AE Report on the ODA/BDDEA supervision mission F
 ✓ 90 381AY Report on supervisory visit March-April 1990, by J.Evans
 ✓ 90 381AZ Pilot scheme for rehabilitation of wells in South Darfur by H.Nash

RURAL PLANNING UNIT SOUTH KORDOFAN

Client: Min. of Agriculture, Forestry & Natural Resources
Finance: Ministry of Overseas Development
Company: HTS

- 78, 374 Outline account of the societies of Southern Kordofan preliminary report for the SKPU F
- 79 374A Interim report F
- 374B Quarterly reports Apr-Dec 79 F
- 374C -- -- Apr-Dec 80 F
- 374E Central districts indicative plan F
- 374F Annex. Agriculture: crop production. Phase 1 by R. Billington. Draft
- 81 374G Central development plan F
- 374H Western development plan F
- 374I Annex 1. Soils & vegetation F
- 374J A.2. Water resources F
- 374K A.3. Livestock production F
- A.4. Crop production
- 374L A.5. Population, social organisation & production systems F
- 374M A.6. Economics & marketing F
- 374N A.7. Land use & planning regions F
- 374O Nuba Mountains Agricultural Production Corporation technical report F
- 374 Maps

REAPPRAISAL OF THE NORTHERN & NILE PROVINCES PUMP SCHEMES

Client: Sudan. Ministry of National Planning
Finance: Ministry of Overseas Development
Companies: MMP/HTS/A. Gibb

- 79 372 Interim report F
- 372A Part 1. Vol.1. Main report ✓ RNM F
- 372B Part 1. Vol.2. Supporting reports i ← Need to see F
 - 1. Soils
 - 2. Agriculture
 - 3. Engineering
 - 4. Institutions
 - 5. Infrastructure
- 372C Part 1. Album of maps
- 372D Part 2. Vol.1. Main report ✓ RNM F
- 372E Part 2. Vol.2. Annexes ✓ RNM F

- 78 345 Seleit meat processing project F
 - Client: International Finance Corporation
 - Company: HTS

NILE WATERS STUDY

Client: Sudan. Ministry of Irrigation
Companies: Coyne et Bellier/A. Gibb/HTS/MMP

- 78 338 Interim memorandum
- 79 338I Vol.1. Main report F
- 338J Vol.2. Supporting reports F
 - 1. Soils & land classification
 - 2. Agriculture & agricultural economics
 - 3. Livestock
- 338K Vol.3. Supporting report F
 - 4. Irrigation

- 338L Vol.4. Supporting reports F
 - 5. Hydro-electric projects
 - 6. Hydrology
 - 7. System model
- 338M Land classification maps
- 338N Master plan summary F

BLUE NILE WATER STUDY. PHASE 1C

Client: Sudan.Ministry of Irrigation
Companies: MMP/HTS

Wad Salman Project

- 78 322A Interim review F
- 322B Feasibility study. Vol.1. Main report F
- 322C ---: Vol.2. Supporting reports F
 - 1. Agriculture
 - 2. Irrigation
 - 3. Infrastructure
 - 4. Management

Shasheina Project (Wad Salman, Shasheima & Suki Pump Schemes Group)

- 80 322G Feasibility study report F

JEBEL MARRA RURAL DEVELOPMENT PROJECT

Client: Ministry of Finance & Economic Planning
Finance: European Development Fund

Project Preparation Study

- √ 79 317A Final report F
- 79 317B ---: revised economic analysis F

Project Preparation Phase 2

- √ 85 317AO A. Review of first & interim phases (interim report) F
- 317AL B. Programme for Phase 2. Final report. Draft F

Advance Preparation Study

- √ 80 317C Vol.1. Main report F
- 317D Vol.2. Housing & building rehabilitation F
- 317E Vol.3. Plant & vehicle rehabilitation F
- NB Paper copies of 317D & E bound together at D

Financial Statements

- √ 317 1980-81, 1982-1983, 1983-1984, 1984-85, 1985-86 F
- 317BB 1986-87 F
- 317BK 1987-88; 1988-1989; 1989-1990 F

Annual Reports

- √ 317F 1980-81 F
- 317G 1981-82. Main report F
 - : Annex 1. Agricultural Services Department
 - : A.2. Monitoring & Evaluation Department
- 317M 1982-83. Main report F
 - : A.1. Agricultural Services Department
 - : A.2. Monitoring & Evaluation Department
- 317V 1983-84. Main report F
- 317W ---: A.1. Agricultural Services Department F
- 317X ---: A.2. Monitoring & Evaluation Department F
- 317AH 1984-85. Main report F
- 317AI ---: A.1. Agricultural Services Department F
- 317AJ ---: A.2. Monitoring & Evaluation Department F
- 317AR 1985-86. Main report F

Financial Statements

317	1980-81, 1982-83, 1983-84, 1984-85, 1985-86	F
317BB	1986-87	F
317BK	1987-88; 1988-89; 1989-90	F
317DP	1990-91; 1991-92; 1992-93; 1993-94	

Annual Reports

317F	1980-81	F
317G	1981-82. Main report	F
	---: Annex 1. Agricultural Services Department	
	---: A.2. Monitoring & Evaluation Department	
317M	1982-83. Main report	F
	---: A.1. Agricultural Services Department	
	---: A.2. Monitoring & Evaluation Department	
317V	1983-84. Main report	F
317W	---: A.1. Agricultural Services Department	F
317X	---: A.2. Monitoring & Evaluation Department	F
317AH	1984-85. Main report	F
317Ai	---: A.1. Agricultural Services Department	F
317AJ	---: A.2. Monitoring & Evaluation Department	F
317AR	1985-86. Main report	F
317AS	---: A.1. Agricultural Services Department	F
317AT	---: A.2. Monitoring & Evaluation Department	F
317BH	1987-88. Main report	F
317BJ	---: A.1. Agricultural Services Department	F
317CL	---: A.2. Monitoring & evaluation Department	F
317BZ	1988-89. A.1. Agricultural Services	F
317CN	1989-90. Main report	F
317CP	---: Annex 1. Agricultural services	
	Annex 2A M. & E. Inputs survey 89,	
	Annex 2C M. & E. The extension message survey 90	
317CY	1990-91 Main report	
317CX	--- Annex 2D. Market price analysis 1990/91	
92 317DF	1991-92 Main report summary	
	Wet season research programme Annex 1A.	
	Dry season research programme Annex 1B	
317DH	Annual report 91-92 Main report	
317DK	Annual Report Wet season research annex 1A.	
	Dry season research annex 1B 1991/2	
93 317DN	Main Annual Report 92-93	
94 317DO	Micro Projects Report By A. Russell May 94	

Quarterly Reports

317J	1. Jun-Aug 82 3. Dec 82-Feb 83 1. Jun-Aug 83	F
317AB	1-3 Jun 84-Feb 85	F
317AM	1-3 Jun 85-Feb 86	F
317AW	2. Sept-Nov 86	F
317BL	Jul-Dec 88	F
317CA	Jul-Sept, Oct-Dec 89	F
317CK	Jan-Mar 90	F
	July-Sept 90 NOT FICED	
317CW	Jan-Mar 91	
317DJ	July-Sept. 92/93	
317DM	Oct-Dec 92/93	

	317AS --- : A.1. Agricultural Services Department	F
	317AT --- : A.2. Monitoring & Evaluation Department	F
	317BH 1987-88. Main report	F
	317BJ --- : A.1. Agricultural Services Department	F
	317CL --- : A.2. Monitoring & evaluation Department	
	317BZ 1988-89. A.1. Agricultural Services	F
	317CN 1989-1990. Main report	F
	317CP --- : Annex 1. Agricultural services, Annex 2A M. & E. Inputs survey 89, Annex 2C M. & E. The extention message survey 1990	
	317CY 1990-1991 Main report	
	317CX --- Annex 2D. Market price analysis 1990/91	
92	317DF 1991-92 Main report summary :Wet season research programme Annex 1A. Dry season research programme Annex 1B	
	317DH Annual report 91-92 Main report	
	317DK Annual Report Wet season research annex 1A. Dry season research annex 1B 1991/2	
93	317DN Main Annual Report 92-93	
94	317DO Micro Projects Report By A. Russell May 94	

Quarterly Reports

	317J 1. June-August 1982	F
	3. December 1982-February 1983	
	1. June-August 1983	
	317AB 1-3 June 1984-February 1985	F
	317AM 1-3 June 1985-February 1986	F
	317AW 2. September-November 1986	F
	317BL July-December 1988	F
	317CA July-September, October-December 1989	F
	317CK January-March 1990	F
	July-Sept 1990 NOT FICED	
	317CW January-March 1991	
	317DJ July-Sept. 1992/93	
	317DM October-December 1992/93	

Programme of Work & Cost Estimates

	317Y 1983-84, & status of EDF expenditure	F
	317AK No.6. 1985-86	F
	317BN No.8. 1987-88	F
	317BR No.9. 1988-89	F
89	317BY No.10. 1989-90	F
86	317AP Revised work programme & financial & economic analysis for Phase 2	F
90	317CJ Jebel Marra Agricultural Research Station & JMRDP: Work programme: Asim Fadl Abu Sarra	F
90	317CG No.11. 1990-1991	F
91	317DA No.12. 1991-1992	
92	317DE Work programme & cost estimate No.13 1992/93 Reviews	

Reviews

	317P Agricultural Services Department: end of season review 1982-83	F
	317BG Third annual agricultural review: presentations minutes of discussions & main conclusions	
	317AC Fourth annual project review	F
88	317BD Fifth annual review	
89	317BV Sixth annual review	

- 83 317K Summary report on forest activities F
- 83 317L Forest management plan, Golol Plantations Jul80-Jun90 F
- 317R Moneval paper 1\82
- 81 317S Briefing notes for Agricultural Economist F
- 83 317T Crop protection report 1983. Main report F
- : Annex. Methodology & training
- 84 317Z Livestock consultancy 1984-84: interim report F
- 85 317AD Mapping croppped land from Landsat thematic mapper F
- 85 317AG Range & livestock development in Jebel Marra F
- Final Report
- 317AU Darfur historical rainfall records F
- 87 317AX Darfur rainfall records: revision to the document F
- produced Oct 86
- 317AV Adaptive Research Division. Technical note 2/86. F
- Adaptive research in the Jebel Marra area from 1981-86
- 317AY Report on rainfed trials programme 1986 F
- 84 317AZ Adaptive Research Officer: handing over notes F
- 317BC Brief prepared for visit of EEC officials Jan 1988 F
- contains an introduction to JMRDP & JMRDP 1987-88 season
- 317BT Small scale irrigation, by A. Clift-Hall F
- 317BE Groundwater development: a review & recommendations for F
- improvements in the appropriate development of
- groundwater by the project
- 89 317BS Rural road construction : report on a consultants visit, F
- prepared by B.Colquhoun Ptnrs
- 88 317BW Kabkabiya district F
- 89 317BX Groundwater development: report on a consultant visit F
- 89 317CB Irrigation survey 1988, ed. by M. Doran F
- 89 317CD Post harvest survey 1987-88, ed. by M. Doran
- 89 317CE Traffic survey 1988, ed. by M. Doran F
- 89 317CF Wet season survey 1988, ed. by M. Doran F
- 90 317CM The potential for crop processing in JMRDP., by F
- K.Machell of Intermediate Technology
- 85 317CZ Research on the millet head worm (Raghuva sp.),by D.Rhind
- 317DC Wet season research annex 1 A. Dry season research
- annex 1 B.1990/91
- 92 317DG Traffic Survey 1991/92 Annual report Annex II C
- 92 317DH Improved sorghum variety (P9) assessment Annual report
- Annex II B Sept 92

Monitoring & Evaluation Department

- 89 317BM Preharvest survey 1988: results & analysis F
- 90 317CH Harvest survey 1989 : results & analysis F
- 91 317CU Pre-harvest survey 1990
- 91 317DB Preharvest survey analysis & results Annual report
- 91\92 Annex 2A
- 92 317DL Preharvest Survey:Annual Report 92/93 annex IIA
- 93 317DO -- - - - - 93/94 AnnexIIA
- Also N, AA,AN.BA,H,I,AE,AF,O,U not used

RAHAD IRRIGATION PROJECT

Client: Ministry of Irrigation & Hydro Electric Power
Company: MMP

- 77 303 Report on impact of revised cropping pattern with livestock integration F
- 75 303B Long furrow irrigation F
- 78 303C Review of long furrow irrigation. Draft F
- 303F Long furrow irrigation trials F
- 303G Progress report on agricultural aspects. Draft
- 303H Sociological report F

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Client: Ministry of Irrigation & Hydro Electric Power

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- 78 303C Review of long furrow irrigation. Draft F
- 303F Long furrow irrigation trials F
- 303G Progress report on agricultural aspects. Draft
- 303H Sociological report F

BLUE NILE WATERS STUDY

Client: Ministry of Irrigation & Hydro Electric Power

Finance: IBRD/KFAED

Companies: Coyne et Billier/A/Gibb/MMP/HTS

- 77 301 Interim memorandum F
 - Phase 1A, Availability & use of Blue Nile waters
- 78 301A Vol.1. Main report F
- 301B Vol.2. Supporting reports F
 - 1. Soils & land classification
 - 2. Agriculture
 - 3. Agricultural economics
- 301C Vol.3. Supporting report F
 - 4. Irrigation
- 301D Vol.4. Supporting reports F
 - 5. Power
 - 6. System planning
 - 7. Economic evaluation

Phase 1B. Preliminary design of dam & power projects

- 301F Report F
- 301G Report drawings 1
- 301H Report drawings 2

AGRICULTURAL DEVELOPMENT IN THE JEBEL MARRA AREA 1976-1978

Client: Ministry of Agriculture & Natural Resources

Finance: UNDP/FAO

Companies: HTS/MMP/Resource Management & Research

- 76 295A Working paper no.1 F
- 77 295B Working paper no.2 F
- 77 295C Working paper no.3 F
- 77 295C Working paper no.4 F
- 295E Livestock census & natural resource inventory of F
 - Jebel Marra April-Oct 1976
- 77 295F Irrigation development in pilot development areas F

Final Report

- 78 295G Main volume F
- 77 295H Annex 1. Land resources F
- 295I A.2. Vol.1. Hydrogeology F
- 295J A.2. Vol.2. Hydrology & engine F
- 295K A.2. Supplement : run-off data F
- 295L A.3. Livestock & range resources F
- 295M A.4. Agriculture F
- 295N A.5. Social organisation & structure F
- 295O A.6. Infrastructure of the region F
- 295P A.7. Economics & evaluation of specific projects F
- 295R A.8. Forestry F

Miscellaneous Papers

77 295S 1. Draft engineering hydrology report F
2. Report of analysis carried out & results obtained.

76 286 Sag el Na'Am evaluation & preinvestment study F
Client: Min. of Agriculture, Food & Natural Resources
Company: HTS/MMP

SOUTHERN DARFUR RURAL DEVELOPMENT PROJECT

Client: Min. of Agriculture, Food & Natural Resources
Company: HTS

76 282A Development farms annual report 1976-77 F

282B Interim report to the Sudanese Government F

282C Supply of building materials, plant equipment & furnishings : drawings

282D Livestock & range development programme 1981-84 F

282P Report on a visit to Dimsu Research Farm, SDRD October 1976, by R. roome

80 282F Vehicle management & organisation F

282J Construction of the headquarters at Nyala: proposed method F

SAVANNAH DEVELOPMENT PROJECT

81 282E Report on trials carried out at 3 experimental sites in South Darfur seasons 1976-81 F

83 282I --- : 1982 trials results; 1983 proposed trials F

84 282L --- : 1983 trials results F

282G Report on a visit by consultant agronomist May-June 1982: 1981 trials result; 1982 propose trials F

84 282N --- : May-July 1984 F

82 282H Report on a visit by consultant agricultural engineer May-June 1982 F

84 282M --- : Feb-March 1984 F

83 282K Report on a visit by consultant livestock specialist April-May 1983 F

REFUGEE RESETTLEMENT IN EAST CENTRAL SUDAN

Client: UN High Commission for Refugees

Finance: Client

Companies: HTS/MMP/Shankland Cox

76 274 Pre-investment study F

274C --- : appendices, Draft F

274D Confidential preliminary report F

SAVANNA DEVELOPMENT PROJECT. PHASE 2

Client: Sudan/FAO

Finance: FAO

Companies: HTS/Resource Management & Research

- 76 , 255 Maps. Incl. Average annual rainfall 1941-70
 - Domestic herbivore biomass density
 - Communications
 - Base map & land systems
 - Distribution of cultivated land
 - Distribution of villages
 - Village ditribution
 - Proposed land use
 - Land system
 - Cultivated land 1971-72
- 75 255A Working paper 1. F
- 255Q Working paper 2. F
- 255B Working paper 3. F
- 76 255C Development plan F
- 255D Agronomic investigations : Umm Rakuba 1975 F
- 255G Livestock & range investigations: Ghazala Gawazat 1975 F
- 255F Livestock marketing F
- 255I Annex 1. Soils & vegetation F
- 255E A.2. Part 1. Hydrology F
- 255J A.2. part 2. Hydrology & engineering F
- 255K A.3. Livestock & range resources F
- 255L A.4. Agriculture F
- 255M A.5. Social organisatin & development administration F
- 255N A.6. Economics & project evaluation F
- 255O Interim report on South Kordofan F
- 255P Final report F

Also

- 78 South Darfur Rural development Project. Advance buildings for Western Savannah Development Corp. Note on procurement procedures F
- 79 - - - : supply of building materials plant, equipment & furnishings: report on tenders F
- 79 SDRDP. Main building programme: design & planning brief F
- 79 - - - : improvements to rented houses in Nyala: guidnace notes for inspector details of work required materials list F

Who's reports are there ??

- 75 253 Land systems from ERTS imagery, Bahr el Ghazal Province Client: Min. of Agriculture, Food & Natural Resources Company: HTS F

- 74 250 Water supply development, El Obeid, Kordofan Province Client: Sudan. National Planning Commission Finance: Client Companies: HTS/MMP F

LUNYA EXPERIMETNAL HAFIRS & SUWEILINGA VILLAGE TANK, DARFUR

Client: Sudan. Rural Water & Development Corporation

Finance: ODA

Companies: HTS/MMP

- 73 217 Analysis of observations, Sept 1970-Jan 1963 F

KENANA SUGAR PROJECT

Client: Sudan/Lonrho

Company: HTS

- 73 211A Feasibility study. Soil survey report F
- 211B Map annexure : Land suitability for sugar cane
- 211C Soils of the sugar cane estates in the central clay plain of the Sudan. Parts 1 & 2 F
- 75 211D Methods & results of soil analysis. Laboratory report 2 F
- 73 211E Proposed agricultural operations (part of F.S.) F

TAMBUL PILOT FARM DEVELOPMENT PROJECT

Client: Sudan.Agricultural development Corporation

Company: Ilaco

- 72 468 Final report F
- 468A Irrigated crops of the Tambul pilot farm 1969-72 (updated 1979) by G. Kerkoven F

PROSPECT FOR PLANNING OF THE INTEGRATED WATER & AGRICULTURAL DEVELOPMENT OF THE SAVANNAH BELT

Client: FAO

Company: HTS

- 72 202 Hydrogeological study of the Qoz resettlement area eastern Kordofan F

LIVESTOCK SECTOR REVIEW & PROJECT IDENTIFICATION

Client: Sudan. Ministry of Planning

Finance: Kuwait Fund for Arab Economic Development

Companies: HTS/Gunn Rural Management

- 72 189A Vol.1. Sector review F
- 189B Vol.2. The project F
- 189C Vol.3. Appendices F

LAND USE PLANNING SURVEY IN SOUTHERN DARFUR

Client: Sudan.Rural Water & Development Corporation

Finance: Ministry of Overseas Development

Companies: HTS/MMP

- 71 172A Preliminary appraisal F
- 72 172B Interim report F
- 172C Economics report F
- 73 172D Veterinary consultants report F
- 74 172E Development plan F
- 172F --- : Annex 1. Soil & vegetation resources F
- 172G --- : A.2. Water resources & engineering F
- 172H --- : maps & plates to accomapny Annex 2
- 172I --- : A.3. Animal resources & range ecology F
- 172J --- : A.4. Agriculture F
- 172L --- : A.5. Social organisations F
- 172K --- : A.6. Economics & project evaluation F
- 73 172M Hydrology & engineering. Vol.1. Main report F
- 172N --- : Vol.2.Plan supplement
- 74 172O --- : Vol.3. 1973 supplement F
- 72 172P Sociology report, by J. Hales F
- 75 172Q Qoz development project & water spreading schemes F
- 72 172R Report on a visit to survey the fish resources & make proposals for their development F

MINERAL SURVEY IN THREE SELECTED AREAS

- 69 136 Photogeological survey in the Western Area F
- 136A Photogeological survey of the Eastern area F
- 136B Induced polarisation survey in the Western area : maps

J

WATER SUPPLY & DEVELOPMENT PROJECT IN DARFUR PROVINCE

Client: Sudan.Rural water & Development Corporation

Finance: Ministry of Overseas Development

Companies: MMP/HTS

- 131A Report no.1. Preliminary appraisal F
- 68 131 --- : Preliminary appraisal : annexure F
- 69 131B Report no.2. Interim report F
- 70 131C Report no.3. Surface water studies season 1969\70 F
- 131D Report no.4. Regional hydrogeological survey F
- 131E --- : appendices F

J

LAND & WATER RESOURCES OF THE JEBEL MARRA AREA

FAO/UNDP

- 66 157B Reconnaissacne & semi detailed soil survey F
- 157C Land use survey F
- 157D Reconnaissance vegetation survey F
- 157A --- : appendices. Draft F
- 157E Geology F
- 157F Agronomy F
- 68 157G Final report F
- 157H --- : maps: Rainfall, Geological, Aerial photography, Soils, Vegetation, Land use

- 66 145 Memornadum on utilisation of water from Roseires reservoir F
- Client: Sudan.Ministry of Finance & Economics
- Companies: A.Gibb/MMP

- 66 95 Loan apllication for irirgation development of 250 000 feddans F
- Client: Sudan.Ministry of Finance & Economics
- Companies: MMP/HTS

- 65 203 Memorandum on possibilities of irrigation development F
- in the Sudan by private enterprise
- Companies: HTS/MMP

J

ROSEIRES PRE-INVESTMENT SURVEY

Client: Sudan.Ministry of Finance & Economics

Companies: HTS/MMP

Report No.1.

- 64 A103 Preliminary report for Roseires canal & the Rahad link canal F

Report No.2. Rahad Project

- 65 103A Part 1. Summary F
- 103B Part 2. Economics F
- 103C Part 3. Engineering F
- 103D Part 4. Agriculture F
- 66 103E Two memoranda on the effect of changes in size of holdings. F
- 1. A summary of the effects on the economics of the project
- 2. The effects on tenants & labourers incomes
- 103F Two memornada on the economics of the proposal for F
- early development of part of the project using the Rahad flood
- 103G Memoranda.on the intensity of cropping F
- 103H Memoranda on the ecgnomics of the Rahad Project F

- Report No.3. Roseires Project**
- 65 104A Part 1. Summary F
 - 104B Part 2. Economics F
 - 104C Part 3. Engineering F
 - 104D Part 4. Agriculture F
 - 104E Report on the results of tree clearance trials at
Jebel Okalma Forest Reserve F

- Report No.4. Gueid Extension to Rahad Project**
- 66 105A Part 1. Summary F
 - 105B Part 2. Agriculture & economics F
 - 105C Part 3. Engineering F

- Report No.5. Hawata Extension to Rahad Project**
- 66 106A Part 1. Summary F
 - 106B Part 2. Economics F
 - 106C Part 3. Engineering F
 - 106D Part 4. Agriculture F

- Report No.6.**
- 66 110 Rahad west bank area soils reconnaissance F

- Report No.7. Pump Projects on the Main & Blue Nile**
- 67 115E Vol.1. Main Nile: summary. Annex & financial appraisal F
 - 115A Vol.1A. The Main Nile : summary F
 - 115B Vol.1B. Main Nile : report (Rebound in 3 parts) F
 - 115C Vol.2A. The Blue Nile : summary F
 - 115D Vol.2B. The Blue Nile : report F

- Report No.8.**
- 67 103I Seismic soundings on main canal routes at Jebel Qal'at Arang F

ROSEIRES SOIL SURVEY
 Client: Sudan.Ministry of Agriculture
 Companies: HTS/MMP

- 63 76A 1. Gezira extension area soil survey & land classification, Vol.1. The report F
- 76B --- : Vol.2. Appendix 1. The sample area F
- A.2. Specimen profile descriptions
- 76C --- : Vol.3. A.3. Laboratory analysis of soil samples F
- 76AO --- : soil & land classification maps.
- 76D 2. Blue Nile east bank: Guneid to Khartoum: soils & engineering reconnaissance F
- 76E 3. The Nile from Kareima to the Third Cataract: soils & engineering reconnaissance F
- 76AE --- : soils & engineering reconnaissance plans
- 76F 4. Rahad & Dinder area: semi detailed soil survey & land classification. Vol.1. The report F
- 76G --- : Vol.2. A.3. Laboratory analysis of soil samples F
- 65 76O 4A. Rahad east bank extension: semi detailed soil survey & land classification. Vol.1. The report F
- 76P --- : Vol.2. A.2. Laboratory analysis of soil samples F
- 76AQ --- : soil & land classification maps
- 76J 5. The Nile from Khartoum to Kareina: soils & engineering reconnaissance F
- 76AG --- : soils & engineering reconnaissance plans
- 76H 6. The White Nile east bank Rabak to Khartoum: soils & engineering reconnaissance F
- 76AH --- : soils & engineering reconnaissance plans

STUDY

	76M 7. Blue Nile east bank Guneid to Khartoum: semi detailed soil survey & land classification. Vol.1. The report	F
	76N ---- : Vol.2. A.3. Laboratory analysis of soil samples	F
	76AJ ---- : soil & land classification maps	
→	76Q 8. The Nile from Kareima to the Third Cataract: semi detailed soil survey & land classification of selected areas. Vol.1. The report	F
→	76R ---- : Vol.2. A. 1-5	F
→	76AL ---- : soil & land classification maps	
	76K 9. Dinder-Blue Nile Gezira Sennar to confluence: semi detailed soil survey & land classification. Vol.1. The report	F
	76L ---- : Vol.2. A.3. Laboratory analysis of soil samples	F
	76AM ---- : soil & land classification maps	
	76S 10. Dinder to rahad: explanatory soil traverses & to rahad Project exploratory engineering surveys	F
	76T ---- : exploratory surveys (March-May 1965): summary of results	F
	76X 11. The White Nile east bank Melut to Rabak: exploratory soils & engineering survey	F
	76AI ---- : exploratory soils & engineering plans	
	76Y 12. Blue Nile east bank Roseires to Sennar, west bank Abu Hugar to Sennar: semi detailed soil survey & land classification. Vol.1. East bank Roseires to Sennar: the report	F
	76Z ---- : Vol.2. East bank Roseires to Sennar. A.3. Laboratory analysis of soils	F
	76AA ---- : Vol.3. West bank Abu Hugar to Sennar: the report	F
	76AR ---- : soil & land classification maps	
	76AB 13. The Guneid & Hawata extensions to the Rahad project: soil survey & land classification. Vol.1. The report	F
	76AC ---- : Vol.2. A.3. Laboratory analysis of soil samples	F
	76AP ---- : soil & land classification maps	
	76U 14. White Nile east bank Rabak to Khartoum: semi detailed soil survey & land classification. Vol.1. The report	F
	76V ---- : Vol.2. A.3. Laboratory analysis of soil samples	F
	76W ---- : Annexe. Esh Shawal extension	F
	76AK ---- : soil & land classification maps	
	76AD 15. The Nile from Khartoum to Kareima: semi detailed soil survey & land classification of selected areas	F
	76AN ---- : soil & land classification maps	
	76AF The final album. In store	

LAND & WATER USE IN KORDOFAN PROVINCE

Client: FAO

Finance: UNSF/FAO

Companies: Doxiadis/HTS

63	83C Introductory study (provisional issue)	F
64	83 Report on the survey of geology, geo-morphology & soils, vegetation & present land use: interim report	F
	83A Agronomic investigations: concluding report on the crop soil trials & their implications for improving land use	F
	83B Programme for agronomic activities for 1964	F

J

JEBEL MARRA INVESTIGATIONS

Client: Sudan.Ministry of Agriculture

Company: HTS

- 58 24A Report on forest resources F
- 24B --- : illustrations
- 24C Report on Phase 1 studies

- 52 441 Northern Province : maps
- 47 Geology of the Sudan coastal provinces F
- Client: General Exploration Company of California
- Company: HTS

- 45 Rahad East Bank pre-investment survey: F
- preliminary agro-economics report
- Companies: MMP/HTS

SURIMAN

70

151

Review the governments request for assistance with forest development
UNDP/FAO

SWAZILAND

ASSISTANCE TO SURVEYOR GENERAL'S DEPARTMENT LAND INFORMATION SYSTEM CONSULTANCY, SWAZILAND

Contract No. CNTR 920812A

- 92 793A Report
94 793B Final Report Phase II Sept.94 T. Richards
95 793C Final Report Phase III Jun.95

REVIEW & FEASIBILITY STUDY FOR KOMATI RIVER BASIN DEVELOPMENT WITHIN SWAZILAND

Client: Ministry of Natural Resources & Energy

Companies: A.Gibb/HTS/Merz & McLellan

Monthly reports

- 701A Nos 1-8 Mar-Nov 90 F
701B No.9-12 Jan-Jun 91
92 701R No.13-16 Jul-Oct 91
701V No.20-21 Mar-Apr 92
701X No.17-19 Nov 91-Feb 92
701Z No.23-25 Jun-Oct 92
701C Notes of meetings with Government Steering Committee 18.4.90 & 20.4.90
701D Panel of experts report no.1 Sept 1990; No.2 Dec. 1990
91 701S Advisor & panel of experts mission no.6
92 701Y Advisor & panel of experts mission no.8
94 701AY Advisor & panel of experts mission no.11

90 701E Driekoppies Reservoir: implications for Swaziland F
90 701F Driekoppies reservoir: action plan to evaluate the cost of inundation F

90 701G Inception report F

91 701AQ Driekoppies Dam Guidelines for a relocation action plan May 91

Review report

- 91 701H Summary report F
91 701J Vol.1. Main report. F

Technical annexes

- 701K Vol.2. A. Hydrology. F
B. Soils/Land use studies.
C. Agronomy.
D. Agro-economic database.
E. Irrigation.
701L Vol.3. F. Dam engineering & hydropower. G. System analysis. F
701M Vol.4. H. Environmental impact. F
I Power market review.
J. Economic & financial analyses.
K. Socio-economic issues.
701N Soils, land use & land suitability maps NOT IN STOCK
701P Legal aspects of proposed development. Confidential memorandum
92 701T Project Definition Report
92 701W Briefing paper No.9. Land requirements for resettlement
92 701AK Adviser & panel of experts-Mission No.10
93 701AN Action plan, Draft terms of reference for design & construction of Maguga Dam
Draft TOR for tech. assistance & consultancy for resettlement,
environmental management & agric.dev.

Feasibility reports

701U Supporting report B Land Resources
701AA Supporting report C Agronomy
701AB Supporting report D Agricultural Economics
701AC Supporting report E Irrigation
701AD Supporting report H Resettlement proposals for public consultation
701AE Supporting report I Organisation & Management
701AF -- -- J Economic & Financial Analysis
701AG Feasibility Report Sept.92
701AH Annex to supporting report E Irrigation layout
drawings A3 size SEE CHRIS.C. as on different shelf
701AJ Supporting report F Dam engineering Vol.II
drawings A3 size SEE CHRIS.C. as on different shelf
701AL Supporting report F Dam engineering Vol.1 Text
701AV Feasibility Report Dec.93
701AW -- -- -- Supporting Reports A-E Dec.92
701AX -- -- -- Supporting Reports F-J Dec.93

92 701AM Summary report DRAFT
93 701AO Summary Report Mar.93

Environmental Assessment Reports

701AP Vol.1 of 3 Main report & environmental plan DRAFT Feb93
701AQ - 2 - 3 Socio-economic impact & proposals for
participation & resettlement DRAFT Feb93
701AR Vol.3 of 3 Technical Annexes (A to O) DRAFT Feb93
701AS Vol.1 of 3 Main report & environmental plan May 93
701AT - 2 of 3 Socio-economic impact & proposals for
participation & resettlement May 93
701AU Technical Annexes (A to O) May 93

LAND DEVELOPMENT PLANNING STUDY, NGWEMPISI

Client: Swaziland/ODA
Finance: ODA
Company: HTS

86 598A Interim report F
598B Final report F

LIVESTOCK INDUSTRY DEVELOPMENT STUDY

Client: Swaziland
Finance: Germany
Company: HTS

83 544A Final report F

REVIEW OF RURAL DEVELOPMENT AREAS PROGRAMME

Client: Swaziland
Finance: IBRD
Company: HTS

83 533A Inception report F
533B Interim report F
533C Final report F
533D Final report: annexes F
Incl. A.B. Institutions
A.C. Crop production & marketing
A.D. Livestock & range
A.E. Soil erosion & conservation

NDZEVANE IRRIGATION SCHEME

Client: Lutheran World Federation

Companies: A.Gibb/HTS

83 529A Feasibility study F

WATER RESOURCES DEVELOPMENT PLAN FOR THE IMBULUZI RIVER BASIN

Client: Swaziland

Finance: Overseas Development Administration

Companies: Watermeyer Legge/HTS/Cooper/Merz

71 181A Vol.1. development plan F

181C Vol.1. Technical annexes F

181D Vol.2. Feasibility studies F

72 181B Addendum 1. Systems analysis of a co-ordinated river basin development plan F

181E Addendum 2. Initial economic evaluation of the development plan F

SWAZILAND IRRIGATION SCHEME

61 53 Report on soil survey & land classification

53A Soil survey & land classification maps. Store

Client: Colonial Development Corporation

Company: HTS

SYRIA

AL-KHABOUR DAM PROJECT

Client: Government of the Syrian Arab Republic
Companies: Gibbs/KSC/HTS/Wimpey

Initial Review Report

95 846 Vol.1 Main Report Jan.95
846A Vol 2 Appendices Jan.95

**DAMASCUS, HOMS & HAMA WATER POLLUTION CONTROL STUDY:
EFFLUENT RE-USE**

Client: Syria
Finance: Syria/IBRD
Companies: H. Humphreys/Jouzy/Econ. Assoc./Peat Marwick
/Thames Water/HTS

341A Working paper 1. Agriculture
341 Working paper 2. Soils

F
F

61 55 Report on forest demarcation & inventory programme
Client: UAR. Northern Region, Syria
Company: HTS

F

TANZANIA

NATIONAL RECONNAISSANCE LEVEL LAND USE & NATURAL RESOURCE MAPPING PROJECT

Client: Min. of Tourism, Natural Resources & Environment

94 844 Inception Report Dec.94

Progress Reports

95 844A No.1 Dec.94 -Mar.95

844B No.2 15 Mar.-15.Jun.

844C No.3 16 Jun.-15 Sept.

RENOVATION OF ZANZIBAR STONE TOWN MARKET

Client:Zanzibar Municipal Council

94 826 Project Formulation Mission DRAFT Jan.94

826A Project Formulation Mission FINAL Feb.94

LAND USE CHANGE & TEAK SITE SUITABILITY ANALYSIS IN THE KILOMBERO-ULANGA STUDY ASSESSMENT AREAS

93 806 Phase II report

806A Phase II Map

ZANZIBAR INTEGRATED LANDS & ENVIRONMENT MANAGEMENT PROJECT (ZILEM)

Client:Finnish International Dev. Agency

Company HTS

93 802 Final report of Mid Term Review Mission 8-20 Mar 93 DRAFT

802A Final report of mid term review mission 8-20 Mar.93

CONSERVATION & ENVIRONMENTAL PROTECTION SERENGETI REGIONAL CONSERVATION STRATEGY :PROJECT DESIGN STUDY

Client:Ministry of Tourism,Natural resources & the Environment

92 773A Draft final report: main volume

773B - - - appendix vol.

LAND USE CHANGE IN THE IFAKARA-MAHENGE STUDY ASSESSMENT AREAS

Finance: ODA

Company: HTS

91 747A Phase 1 report

747B The use of GIS techniques to locate areas suitable for teak planting in the Ifakara region: HTS internal report re.Phase 2 of above

F

NATIONAL AGRICULTURAL & LIVESTOCK RESEARCH PROJECT RESEARCH ORGANISATION & MANAGEMENT IN THE TRAINING DIVISION, MALD

Client: Tanzania

Finance: ODA

Company: HTS

90 708A Preliminary findings & recommendations

91 708B Organisation & management. Vol.1.

708C " " " - Vol.2.

92 708D End of Assignment report

F

COTTON AGRONOMY & ESTATE/SMALLHOLDER PRODUCTION KILIMANI AREA: RUFJI DISTRICT

Hunting Agro Services/Agro Services (Africa)

Coast Cotton Company

89 709A Prefeasibility study. Pt 1.

**INVESTIGATIONS OF LANDS WITH DECLINING STAGNATING
PRODUCTIVITY**

Client: FAO

Finance: Japan

Companies: HTS/FAO

- | | | |
|----|--|---|
| 86 | 640F Tanzania: agricultural resource evaluation & planning
(for Mwanza & Shinyanga regions): project document | F |
| 87 | 640A Phase 2: Tanzania: interim report | F |
| 88 | 640G " " final report | F |
| | 640H " " land conservation & livestock management in south east
Shinyanga district. Project formulation Pt 1. Main volume | |
| | 640 " "I: Pt 2. Annexes | F |
| | 640J " " Rice development in the central Mbugaplain of
Mwanza & Shinyanga regions. Phase 1. Pilot project.
Project formulation | F |
| | 640K " " Smallholder dairying in Mwanza & Shinyanga regions
project formulation | F |
| 85 | 570A Report on a sunflower research project
Finance: ODA
Company: HTS | F |

GENERAL IDENTIFICATION MISSION TO TANZANIA

Client: IFAD

- | | | |
|----|---|---|
| 83 | 540A Vol.1. Main report | F |
| | 540B Vol.2. Annexes | F |
| | 511 Appraisal for the establishment of a fruit growing growing enterprise
by J. Moore
Company HTS | F |

MTWARA & LINDI IRRIGATION PROJECTS

Client: ODA

Finance: ODA

Companies: Binnie/HTS

- | | | |
|----|--|---|
| 80 | 405 Reconnaissance report | F |
| | 405A Report on proposed pilot projects | F |
| | 405B Hydrology report | F |
| | 405C Visit to the Mtwara\Lindi agricultural projects Feb-Mar 1981
, by T. Willcocks | F |
| | 405D Pilot projects rice observation trials : 1980-81 season | F |
| | 405E - - - : preliminary report 1981-82 season & proposed
proposed programme 1982-83 season | F |

MTWARA & LINDI RICE DEVELOPMENT PROJECT

- | | | |
|----|---|---|
| 82 | 405F Rice investigations 1981-82 season trial results | F |
| 83 | 405G - - - : 1982-83 season trial results | F |
| 85 | 405H - - - : 1983-85 season trial results | F |
| 88 | 405I Rice production project 1986-87 | F |
| 88 | 405J Rice projects training manula : Mambo Muhimu kwaMkulima wa Mpungas | |
| 77 | 307 Soils of the Maharunga Basin
Client: HVA International
Company: HTS | F |

THAILAND

CASSAVA DIVERSIFICATION PROGRAMME

Client: Thailand.Ministry of Agriculture & Cooperatives

Finance: EEC

Company: HTS

82 518 General study & project requests F

EASTERN SEABOARD STUDY

Client: National Economic & Social Development Board

Companies: Coopers & Lybrand/Maunsell/Sindhu

Pulsirivong/Brammah

488A Seminar on development policies & strategies 1982.

Papers on:

Tourism, Primary sector development,
Financial implications, Development management,
Environment, Urbanization,
Port & transport development, Social development.

Interim Reports

82 488G 2. Agriculture & other primary sectors F
488H 3. Industry, tourism, other basic activities, employment F
488I 5. Transport, water & utilities F
488J 6. Urban development F
488K 7. Implementation, finance F

Project Reports

488E Vol.1. Chinburi, Laem Chabang, housing, environment water F
488F Vol.2. IEAT funding, export processing, investment promotion F

Final Report

488B Vol.1. Issues & proposals : main report F
488C Vol.2. The development plan F
488D Vol.3. Action programme F

ING-YOM-NAN DIVERSION

Client: Thailand.Electricity Generating Authority

Finance: ODA

Companies: H.Humphreys/HTS

Prefeasibility Study

81 493A Main report F
493B Annex B. Engineering & costs Yom-Nan diversion F
A.C. Engineering & costs new irrigation projects
493C Annex D. Benefit studies F
A.E. System studies & gross benefits

ING-YOM-NAN DIVERSION PROJECT, MAE KOK EXTENSION

82 493 Prefeasibility study : main report F

SUKHOTHAI GROUNDWATER PROJECT

Client: Thailand. Royal Irrigation Department

Finance: ODA

Companies: H.Humphreys/HTS

Zone 1

81	482B Agricultural social & economic survey 1980	F
82	482A Demonstration farm inception report Sept 1980- Jun 1981	F
84	482I Agricultural report 1984	F
85	482J Agricultural report 1985	F
87	482R Borehole data completion report, phases 1 & 2	F
87	482S Report on agriculture 1985-88, by K. Landskroner	
	482U Summary Phases 1 & 2 : briefing note for SEADD monitoring mission Nov. 1987	F
	482W Summary of the SGDP AND Short note on the SGP Zone 1	F

Zone 1. Phase 1.

	482D Final report of the development : Pt 2. Agricultural social & economic aspects	F
	482E - - - : Pt 3. The deomstration farm. Draft	F

Zone 1. Phase 2.

Reviews of Progress

	482K Jun, Jul, Aug, Sept 1985	F
	482L Oct, Nov, Dec 1985	F
	482N Feb, Mar, Apr, May, Jun 1986	F
	482O Oct, Nov 1986	F
	482P Mar, May, Jun, Jul 1987	F
	482V Jul, Sept, Oct, Dec 1988	F
	482X Mar, Apr, May, Jun, Jul 1989	F

Zone 1. Phase 2.

83	482G Water scheduling proposals : discussion paper	F
84	482F Revision of project planning : working paper. Dr.	F

Phase 2.

86	482M Request for assistance in completing the project using unallocated funds in the EEC grant	F
85	482H Notes on visit by project economist Aug 1985, by D. Potten	F
	482Z Notes on visit by Project Economist Mar-Apr 1986 & Further notes	
	482AA Notes on visit by Project Economist Apr-May 1987	
	482AO Notes on visit by Project Economist Sept 1987 and Mar 1988	
88	482T Final report	F
84	482AP Working paper on monitoring & evaluation of the Sukhothia Groundwater project, by R. Varley	
89	482AB Report on impact monitoring	F

	482AC	1984/85 Dry season Post Harvest Monitoring Survey	
	482AD	1985 Dry season crop cutting report May-June	
	482AE	1985 Wet season Zone 1. PHMS	
	482AF	1985 Wet season crop cutting report December	
	482AG	1985/86 Dry season PHMS	
	482AH	1986 Dry season crop cutting report July-August	
	482AJ	1986 Wet season Zone 1. PHMS	
	482AK	1986/87 Dry season PHMS	
82	482C	Development Block 1. Agricultural, economic & social baseline survey 1980 & development proposals	F
	482AS	Development Block 1/2. Agricultural, economic & social baseline survey 1981	
	482AL	Zone 1 Development Block 3 Baseline survey (Farm management) Crop year 1983-84	
	482AR	Zone 1 Development Block 4 Baseline survey June-July 1985	
	482AM	Zone 1 Development Block 6 Baseline survey (Farm management) Crop year 1986-87	
90	482AT	Report on mission to review aspects of project evaluation	
		YOM BASIN DEVELOPMENT PROJECT. PROJECT PREPARATION PHASE 1	
		Client: Thailand.Riyal Irrigation Department	
		Finance: ODA	
		Companies: H.Humphreys/HTS	
80	424A	Vol.1. Main report	F
	424B	Vol.2. Annexes	F
		A.A. Hydrology	
		A.B. Sample study area soil survey	
		A.C. Agricultural & farm economics	
	424C	Farm survey computer analysis	F
		PAKCHAN SELF HELP LAND SETTLEMENT PROJECT	
		Client: Thailand.Department of Public Welfare	
		Finance: Thailand	
		Company: HTS	
75	267	Final report	F
		SOUTHERN THAILAND REGIONAL PLANNING STUDY	
		Client: National Economic & Social Development Board	
		Finance: Ministry of Overseas Development	
		Companies: HTS/MMP/H.Humphreys/Mott Hay/Shankland Cox/ Brammah/Cooper & Lybrand	
73	210A	Inception report with Administrative report 1	F
	210B	Macro-economic overview	F
		Administrative Reports	
73	210A	No.1.	F
	210C	Nos 2-5	F
	210G	Nos 6-8	F

	Sector Studies	
74	210J 1. Land capability	F
	210K 2. Coconuts	F
	210L 3. Fruit horticulture & oilpalm	F
	210M 4. Rice & irrigation	F
	210N 5. Forestry	F
	210O 6. Livestock	F
	210P 7. Fisheries	F
	210Q 8. Rubber	F
	210R 9. Tourism & transport	F
	210S 10. Industry	F
	210T 11. Mining	F
	210U Primary sector feasibility studies	F
	210V Agricultural services	F
	210W Infrastructure	F
	210X Policy, strategy & project proposals & feedback on the agricultural sector in the development of South Thailand : regional planning review sessions no.1. 1974	F
	210Y Transport development	F
	210Z Physical environment & progress of sector studies	F
	210A Social survey : working paper	F
	210AB Engineering services report. Pt 3. Electrical power	F

Final Report

	210AF Vol.1. Resources & strategies	F
	210AG Vol.2. Physical planning	F
	210AH Vol.3. Implementation	F
75	210AI Follow up report. Draft	F
	210AJ Soils sheets Nos.1-5	
	210AK Land use sheets 2-5 & physical plan component	

**SOUTHERN LANDS SETTLEMENT LAND CLASSIFICATION MASTER
PLANNING**

Client: Thailand. Department of Public Welfare

Finance: ODA

Company: Redecon

72	193A Interim report	F
72	193B Interim report	F
73	193C Infrastructural planners report	F
	193D Vol.1. The outline master plan	F
74	193E Vol.2. resources & development planning	F
	193F Vol.3. Soils & land classification	F
	193G Vol.4. Appendices	F
	A.1. Wildlife	
	A.2. Land planning	
	A.3. Cottage industries	
	A.4. Credit	
	A.5. Social survey	
	A.6. Settlement roads	
	A.7. Economics	
	193H Map annexure 1: Land capability, Terrain, Soils, Proposed development	
	193I Map annexure 2: Land capability, Terrain, Soils, Proposed development	

WATER RESOURCES INVESTIGATION PHRAE & SUKHOTHAI PROVINCES

Client: Thailand.Royal Irrigation Department

Finance: ODA

- | | | |
|----|---|---|
| 72 | 190A Preliminary report | F |
| | 190B Summary of preliminary report | F |
| | 190C Initial review | F |
| | 190D Sukhothai groundwater development project : Planning report | F |
| | 190O Yom tributaries study : complete farm survey results | F |
| | 190H Vol.1. Summary | F |
| | 190I Vol.2. Main report | F |
| | 190J Vol.3. Soils & agriculture | F |
| | 190K Vol.4. Water resources | F |
| | 190L Vol.5. Irrigation systems | F |
| | 190M Vol.5. Maps | F |
| 73 | 190 Groundwater report : supplementary volume to Yom basin study. Vol.6. (see report 147I) | F |
| | 190E - - - : supplementary maps to Yom Basin Study, to accompany 190 (see report 147I) | |
| 70 | 163 A detailed soil survey of the University farm at Chiangmai
Client: Faculty of Agriculture, Chiangmai University
Finance: Ministry of Overseas Development
Company: HTS | F |

YOM BASIN FEASIBILITY STUDY

Client: Thailand.Royal Irrigation Department

Finance: ODA

Companies: H.Humphreys/MMP/HTS

- | | | |
|----|--|---|
| 69 | 147A Interim report | F |
| 71 | 147D Vol.1. Summary report | F |
| | 147E Vol.2. Main report | F |
| | 147F Vol.3. Soil survey & land classification | F |
| | 147L Vol.3. - - - : maps | |
| | 147G Vol.4. Climate & agriculture | F |
| | 147H Vol.5. Surface water resources | F |
| | 147I Vol.6. Groundwater resources | F |
| | SEE ALSO REPORT 190 & 190E | |
| | 147M Vol.6. - - - : maps | |
| | 147J Vol.7. Irrigation, drainage & flood control | F |
| | 147K Vol.8. Economics | F |
| | 147N Vol.9. Album of maps | |
| 67 | 199A Preliminary report on the feasibility of growing oil palms in selected areas of southern Thailand | F |
| 68 | 134 Oil palm feasibility study
Client: Thailand. Department of Agriculture
Finance: Ministry of Overseas Development
Company: HTS | F |

DEVELOPMENT OF THE CHAO PHYA BASIN

- | | | |
|------|--|---|
| 144A | Memorandum
Companies: Resources & Development/HTS/MMP | F |
|------|--|---|

TURKEY

**MANAGEMENT IMPROVEMENT STUDY OF TIGEM & TZDK SEED
PRODUCTION & DISTRIBUTION ACTIVITIES**

Client: Min.of Agriculture,Forestry & Rural Affairs

Finance: World Bank

Companies: HTS/Utas

	Progress reports	
87	630A 23 Jun-22 Jul, 23 Jul-22 Aug., 23 Aug.-22 Sept. 23 Sept-22 Oct, with appendix to 30.10.87	F
87	630B Interim report	F
	Final Report	
88	630C Vol.1. Main report	F
	630D Vol.2. Annexes	F

UGANDA

SUBSTITUTION OF KYEMPISI AND/OR MARUZI FOR ASWA RANGE

Client: Uganda Livestock Industries

Finance: Kuwait Fund

Company: HTS

- | | | | |
|----|------|--------------------------|---|
| 89 | 670A | Final report. | F |
| 90 | 670B | Revision of final report | F |

REVIEW OF THE SECOND BEEF RANCHING DEVELOPMENT PROJECT

Client: Uganda/Kuwait Fund

Finance: Kuwait Fund

Company: HTS

- | | | | |
|----|------|-----------------|---|
| 83 | 551D | Progress report | F |
|----|------|-----------------|---|

Final Report. DRAFT

- | | | | |
|----|------|---|---|
| 83 | 551A | Vol.1. Main report | F |
| | 551B | Vol.2. Annex 1. Additional sector review material | F |
| | 551C | Vol.3. A.2. Economic & financial analysis | F |

Final Report

- | | | | |
|----|------|---|---|
| 84 | 551E | Vol.1. Main report | F |
| | 551F | Vol.2. A.1. Livestock sector review | F |
| | 551G | Vol.3. A.2. Economic & financial analysis | F |
| | | A.3. Infrastructure | |
| | | A.4. Livestock management | |

- | | | | |
|----|------|--|---|
| 84 | 551H | Revised project cost calculations for Uli Phase 1 project | F |
| 84 | 551J | Supplementary financial information for Uli Phase 1 project | F |
| 85 | 551K | Additional financial & economic analysis for Uli Phase 1 project | F |

COMBINED AIRBORNE GEOPHYSICAL SURVEY OF THREE REGIONS

Client: Uganda/UN Special Fund

Company: HSL

- | | | | |
|--|-----|--|---|
| | 52A | Pt 1. Report on the operation of the survey | F |
| | 52D | Pt 2. Region 1 | F |
| | 52B | Pt 3. Report on the interpretation of the geophysical results in region 2 (area A) | F |
| | 52C | Pt 4. Report on the interpretation of the geophysical results in region 3 (area B) | F |

UNITED ARAB EMIRATES

- 91 761A Photointerpretation of the Hatta zone
- 89 702A Geology of the Uyaynah area & the economic potential of
the Uyaynah carbonatites
- 702B An investigation of certain carbonate-rich rocks in the F
Uyaynah window, UAE, to determine if they are carbonatites
- 91 702C Phosphate in the Uyaynah carbonatites & the Dibba zone
Client: UAE. Ministry of Petroleum & Mineral Resources
Companies: British Museum/HTS

FALAJ DHAIJ FEASIBILITY STUDY

Client: UAE. Ministry of Electricity & Water
Company: HTS/A. Gibb

- 75 272A Report F
272B Map volume

WAFDI HADF WATER RESOURCES SURVEY

Client: UAE. Ministry of Electricity & Water
Company: HTS/A. Gibb

- 75 266 Phase 1 report F

- 74 142D Test pumping at Bida Al Saoud: Final report
142E Report on testing wells at Al Hajar, Al Ain
Client: Abu Dhabi. Dept of Development & Public Works
Company: A. Gibb

REPORT ON WATER RESOURCES OF THE TRUCIAL STATES

- 69 201A Vol.2. Schedules
- 64 78 Report on a photogeologic study of the Jebel Ali & F
Gurn Nezwa areas, Dubai & Sharjah
- 57 6 An investigation into the problem of increasing the water F
supply in Ras as Kheima, Trucial Oman
Company: HTS

UNITED ARAB REPUBLIC

- 67 113 Assessment on the mineral potential of the Asswan region F
photogeological survey
Client: UAR. Regional Planning of Asswan
Finance: UNDP
Company: HGG

UNITED KINGDOM

SIMULTANEOUS IMPLEMENTATION OF A SYNTHETIC APERTURE RADAR & A HIGH - RESOLUTION OPTICAL IMAGER ESTEC

- 94 864 Final Report Vol.1 Of 3 Executive Summary
- 864A Final Report Vol.3 of 3 Tech. append.E-H
- 93 864B DRAFT Final Report Vol.2 of 3 A-E

STUDIES OF MULTI-FREQUENCY & MULTI POLARISATION SAR APPLICATIONS

GEC - Marconi Research Centre

- 93 863 Executive Summary Vol.1 of 3
- 863A Tech. Appendices A-D (Ocean sensing) Vol. 2 of 3
- 863B Tech. Appendices E-K (Crop Imaging) Vol.3 of 3

AERIAL PHOTOGRAPHY INTERPRETATION PROJECT

Client: Ordnance Survey

Company: HTS

- 94 854 Final Report Jul.94
- 854A Final Report Addendum Aug.94
- 95 854B Supplementary Report Mar.95

FISHERIES INFORMATION SYSTEM PROJECT

- 95 845 Content & Format of AVHRR & SeaWifs Data Products Jan.95

APPLICATION OF PRINCIPAL COMPONENT ANALYSIS TO SPECKLE REDUCTION & MULTIFACTORIAL ANALYSIS OF FELTWELL 1991 AIRSAR DATA

- 93 803 Report Mar. 93

RESULTS OF THE GROUND DATA COLLECTION CAMPAIGN AT FELTWELL (JULY 1991)

Client: DRA (aerospace)

Company: H.T.S.

- 92 770A Final report

ACTION 6.1 GROUND & YIELD SURVEYS FOR THE UNITED KINGDOM & THE REPUBLIC OF IRELAND

Client:JRC

1991

- 91 758A Vol.1. Main report
- 758B Vol.1 Final report (draft)
- 758C Vol.2 JRCDATA output area/yield survey
- 758D Vol.1 Final Report

1992

758E Vol.1 Final Report (updated Jan.93)

1994

- 94 758F Vol.1 Final Report
- 758G Vol.2 Appendix 1 Sample survey docs. & 2 Farm survey docs.
- 758H Vol.3 Appendix 3 Crop survey docs.

1995

- 95 758I Interim Report Sept.95
- 758J Final Report Dec.95
- 758K Final report Appendix 1 Crop survey docs.95
- 758L Final report Appendix 3 Yield & Farm Survey Questionnaires 95

752A Geographical information system analysis for landscape impact
assessment: the western orbital motorway, Belborough section
Company: HTS

**DEVELOPMENT OF REGIONAL EXPLORATION CRITERIA FOR
BURIED CARBONATE -HOSTED MINERAL DEPOSITS:
a multidisciplinary study in northern England**

91 741A Pt 1. Text
741B Pt 2. Illustrations

SCIENTIFIC SUPPORT TO THE NRSC July 1985- December 1990

740A Overview report

F

- 89 736A Sandbank mapping in the Mersey estuary. Final report, by I.Pilling
Company: NRSC F
- 89 725A Analysis of multiple geological datasets from the English Lake District, By A.Harding & M.Forrest
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Client: Department of the Environment
Company: NRSC F

GLOBE THEATRE : ENVIRONMENTAL MONITORING

Client: English Heritage
Company: HTS

- 90 692A Report on post-installation monitoring F
- 90 692C Summary report: Jan-Jun 1990 & Jul-Dec 1990
- 91 692D Monitoring report 24Jan 1991

ROSE THEATRE : ENVIRONMENTAL MONITORING

- 90 692B Report on 1989 monitoring AND 1990 monitoring F

AGRISCATT 88

Client: JRC
Company: HTS

- 89 672A Ground data collection report: wheat, Feltwell test site, U.K. F
- 89 728A Coastal pollution studies. Final report, by I.Pilling
Client: Department of Environment
Company: NRSC F

- 89 732A Mapping bracken in England & Wales from satellite imagery: feasibility study, by J.Smith & M.Wooding
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Company: NRSC

- 89 738A The use of satellite data for mapping & monitoring heather
Client: Department of Environment
Company: NRSC F

REPORT ON AN AUDIT OF UK RESEARCH ON THE USE OF SATELLITE EARTH OBSERVATION

Client: Smith Associates

- 89 686A Vol.1. Text F
- 686B Vol.2. Appendices F

88	733A	Monitoring change at the urban-rural boundary from Landsat TM & SPOT-HRV imagery, by G.Griffiths Client: Department of Environment Company: NRSC	F
88	724A	Acquisition of Landsat MSS imagery of the UK 1976-1986: results of a survey of the NRSC quicklook archive, by C.Legg Company: NRSC	F
87	731A	Government policy & proposals on rural land use: the potential of remote sensing, by G.Griffiths & J.Smith Company: NRSC	F
87	727A	Butterwell open cast mine: a demonstration of the application of multi-date imagery to the study & monitoring of surface mining operations, by C.Legg Company: NRSC	F
ECOLOGICAL CONSEQUENCES OF LAND USE CHANGE 2: ANALYSIS OF THE MONITORING LANDSCAPE CHANGE PROJECT RESULTS			
89	665A	Final report	F
87	619A	Report on the interpretation of airborne thematic mapper imagery of the Plenmeller site	F
MONITORING LANDSCAPE CHANGE			
Client: Department of the Environment			
Finance: UK Government			
Companies: HTS/HSL/Forestry Commission/Inst.of Terrestrial Biology			
Progress Reports			
84	573A	No.1.	
84	573B	No.2.	F
85	573O	No.4	F
85	573C	Interim report	F
	573D	--- : Appendices.	F
		A. Area features: air photo interpretation statistics 1978-82 & 1968-72 (part)	
		B. Area features: Landsat thematic mapper classification results	
		C. Linear features: data for East Anglia & south east England	
Main Report			
86	573E	Vol.1. Main report	F
	573F	Vol.1A. Summarised statistics for standard regions of England & Wales	F
	573S	Vol.2. Appendices	F
	573G	Vol.3. Area features: air photo interpretation statistics 1978-82	F
	573H	Vol.4. Area features: air photo interpretation statistics 1968-72	F
	573J	Vol.5. Area features: air photo interpretation statistics 1945-50	F
	573K	Vol.6. Area features: air photo interpretation change statistics 1969-82	F
	573L	Vol.7. Area features: air photo interpretation early change statistics 1947-69	F
	573M	Vol.8. Area features: satellite data analysis results	F
	573N	Vol.9. Linear features: air photo interpretation results	F
	573T	Vol.10. Area features: matrix of change tables	
86	573P	The distribution of sites of the MLCP in relation to classes in ITE land stratifications	F
88	573R	October 1987 storm damage assessment	F

84	555A Evaluation of airborne thematic mapper imagery over the Evesham test site Client: Directorate of Military Survey Companies: HGG/HTS	F
	COMPUTER CORRELATION OF GEOLOGICAL GEOCHEMICAL & GEOPHYSICAL PROSPECTING DATA WITH ENHANCED SATELLITE IMAGERY FOR THE NORTH & SOUTH PENNINE OREFIELDS Client: EEc.Crest Programme Companies: HGG/IGS	
83	539A Vol.1.	F
	539B Vol.2.	F
	539C Executive summary	
83	537 Evaluation of SPOT simulation imagery over the Derbyshire test site 537A Summary reports AND Slides Client: NRSC Companies: HGG/HTS	F F
74	225 Survey of sediment distribution along the north Wirral coast Client: Department of the Environment Company: HSL	F
70	421 Marine survey for the north west offshore tanker terminal, Anglesey : Charts Client: Mersey Docks & Harbour Board/Shell Company: HSL	
67	112 Report on a land capability survey of the area around Invergordon Company: HTS	F
67	111 Report on a land capability survey of part of Strath Kildonan	F
66	136 Combined exercise in planning	
65	85 Report on a study of the aerial photographs of a proposed site at Panshanger, Welwyn Garden City Client: Louis de Soissons, Peacock, Hodges, Roberston & Fraser Company: HTS	F
64	82 Report on a photogeologic study of part of the Hereford block Client: Continental Oil Company Company: HTS	F
64	80 Report on a photogeological study of part of the Northumberland block Client: Continental Oil Company Company: HTS	F
63	74 Report on photogeological study of north east Yorkshire Client: Home Oil Company Company: HTS	F
	48 Report on site investigations of an area near Thurso Company: HTS	F
	44 Minerals on the trustee estates of the 12th Duke of Argyll	F
59	41 Mineral possibilities of the Tredegar estates manorial commons in Breconshire	F

REPORT OF THE PHOTOGEOLOGY OF AREAS ...

Client: Mineral Discovery

Company: HTS

58	20 Drws-y-Coed, Caernarvonshire	F
	20A Scafell, Cumberland	F
	20B Warningscale area, Cumberland	F
	20C Copeland Forest, Cumberland	F
	20D Rachel Wood, Cumberland	F
	20E Teesdale, County Durham	F
	20F Longlands Fell & Brae Fell, Cumberland	F
	20G Stockdale Moor, Cumberland	F
	20H Whinfell, Cumberland	F
	20I Coniston, Cumberland	F
	20J Strontian area, Argyllshire	F
58	34 Hirwaun to Abergavenny trunk road: geological report	F

UNITED STATES

- 79 401 Report on a visit to the Imperial Valley & other irrigated areas in California August 1979, by D. Giles
Company: HTS F

MINERAL EXPLORATION IN NORTHERN ALASKA

Client: BP

Company: HGG

- 69 149A Feasibility study F
149B Appendices F
149C Miscellaneous documents on Alaska geology F

URUGUAY

AGRICULTURAL DIVERSIFICATION STUDY

Client: Uruguay/UNDP/IBRD

Companies: HTS/Oficina de Programacion y Politica/Agropecuaria

- 76 284 Vol.1. Main report F
284A Vol.2. Feasibility study F
284B Summary of main report F

Main Report Annexes

- 284C A.1. Crop husbandry F
284D A.2. Livestock F
284K A.3. Agricultural economics F
284E A.4. Marketing F
284F A.5. Credit F
284G A.6. Storage & processing F
284H A.7. Soils & land use F
284I A.9. Institutions F

- 284J Plan Agricola. A.9. Prefeasibility study F

Informe Principal

- 284L A.1. Produccion agricola
284M A.2. Ganaderia y pasturas
284N A.3. Economia agricola
284O A.4. Mercadeo
284P A.5. Credito agricola
284Q A.6. Almacenamiento y procesamiento de granos
284R A.7. Suelos y uso de la tierra
284S A.8. Clima
284T A.9. Instituciones

VENEZUELA

MAJAGUAS PROJECT

74	248 Report	
	248A Diagnostico de la situacion actual del preyecto y programa para la preparacion de un plan integral de accion parra su desarrollo y aprovechamient racional	F

VIETNAM

INVESTIGATION OF LANDS WITH DECLINING & STAGNATING PRODUCTIVITY

86	640E Vietnam : country report	F
----	-------------------------------	---

CAISAN PIONEER PROJECT

Finance: IBRD

Companies: Redecon/HTS/MMP

73	208 Pre-investment survey	F
----	---------------------------	---

WESTERN SAMOA

75	299 Technical assistance - agricultural projects identification	F
----	---	---

ZAMBIA

LOCAL GOVERNMENT SUPPORT PROJECT (LOGOSP)

Client :Government of Rep. of Zambia

Companies:HTS/PMTC/Development Administration Group/Price Waterhouse
/Management Services Board

- 94 841 Inception Report Nov.94
- 841A Personnel Management Consultancy 10 Dec. -22 Dec. 94
- 95 841B Personnel Management Consultancy 20 Feb.-10 Mar.95
- 841D Decentralisation & Local Government Reform: An Assessment
- 841H Review Mission T.M. Boyd. Sept.95

Six-Monthly Reports

- 841C 1st. Jan.95
- 841E 2nd. Vol. 1 Main Report Jul. 95
- 841F " Vol.2 The Project Framework Jul.95
- 841G " Vol.3 The Benchmarking Exercises Jul.95

UNITED NATIONS DEVELOPMENT FUND

- 94 829 Assessment Report Apr.94
- 829A Project Agreement May 94

INTERIM LOCAL GOVERNMENT SUPPORT PROJECT

Client: Ministry of Government & Housing

Monthly Reports

- 93 819 Aug. 93
- 819A Sept.93
- 94 819E Jan/Feb94

- 819B Participatory Planning No2 Jun.93
- 819C Report of the short term Participatory Planning Specialist
F.Samuels Nov.93
- 819D Personnel Management Consultancy 16Jan.-25Feb.
- 819F Financing Local Government by P.Tyrie Apr.94
- 819G Final report Apr.94
- 819H An assessment of participatory planning in Central Province &
Future development & co-ordination of participatory planning Mar.94
- 819I Financing Local Government Sept.94
- 819J " " " " " Appendices Vol.1
- 819K " " " " " " Vol.2
- 819L Mid-term report Nov.93
- 819M Report Jan 94 Financing Local Government

KABWE URBAN DISTRICT CENTRAL PROVINCE

- 90 778A Kabwe urban squatter settlements:Issues in
upgrading Kawama settlement, by Linda Adams

APPRAISAL OF SQUATTER SETTLEMENTS IN KABWE URBAN DISTRICT, CENTRAL PROVINCE

Company: HTS

- 89 669A Executive summary & main report

F

KABWE URBAN DISTRICT COUNCIL (CPDDP)

- 88 677A Assessment of water distribution losses & recommended
remedial measures

KABWE URBAN DISTRICT COUNCIL RECOVERY PLAN

Client: Zambia.Ministry of Decentralisation

Companies: HTS/Colquhoun O'Donnell

- | | | | |
|----|------|--|---|
| 88 | 666A | Vol.1. Finance & management | F |
| | 666B | Vol.2. Infrastructure & services | F |
| | 666C | Vol.4. Engineering drawing Draft. NB Final will be Vol.3 | |

Water & Sewerage Dept Technical Assistance Programme

- | | | | |
|----|------|--------------------------------------|---|
| 89 | 666D | Inception report | F |
| 90 | 666E | Progress report no.2. 1.3.90-31.5.90 | |
| 91 | 666F | Phase 2. Jan 91-Jan 92. Final report | |

CENTRAL PROVINCE DISTRICT DEVELOPMENT PLAN

Client: Zambia

Finance: Overseas Development Administration

Companies: HTS/Inst.Local Govt Studies, Dev.Admin.Group/

Intermediate Tech./London Sch.Hygiene &

Trop.Med. Eval.& Planning Centre

Quarterly Reports

- | | | | |
|----|------|--|---|
| 87 | 652J | Nos 1, 2, 3, 4 Mar, Jun, Sept, Dec. | F |
| 88 | 652B | No.6. | F |
| | 652C | No.6. Executive summary | F |
| 88 | 652E | No.8. | F |
| | 652F | No.8. Executive summary | F |
| | 652K | No.9 Mar89 | F |
| | | No.10 Jun 89 | |
| | | No.11 and Executive summary Sept 89 | |
| | | No.12 Dec 89 | |
| | 652R | No.13, 14,15, 16, Mar, Jun,Sept,Dec 90 | |

Annual reports

- 652H Annual report 1989: Overview & review of administration rural districts, Kabwe Urban District Council, Provincial planning

Information Papers

- | | | | |
|----|------|-------------------------------|---|
| 88 | 652A | No.3. The agricultural sector | F |
|----|------|-------------------------------|---|

Occasional Papers

- | | | | |
|----|------|---|---|
| 88 | 652D | No.1. Defining the responsibilities of council & executive in district development planning | F |
|----|------|---|---|

Working papers

- | | | | |
|----|------|--|---|
| 90 | 652T | 2. District Council income & expenditure as interpreted from receipts & payments to 31.12.89 | |
| | 652G | Provincial ARPT annual report July 1984-June 1985 | F |
| 89 | 652L | A review after two years. Draft | |
| | 652M | Information papers for CPDDP Review Mission 19-28 Sept.1989 | F |

CENTRAL PROVINCE DISTRICT DEVELOPMENT PROGRAMME.

PHASE 2

Quarterly Reports

- | | | | |
|----|------|--|--|
| | 652S | Nos 1-3 Mar, Jun, Sept 91 | |
| | 652U | No 5 Mar. 92 | |
| | 652V | No.4 Dec.91 | |
| | 652W | No.6 June 92 | |
| | 652X | No.7 Sept.92 | |
| | 652Y | No.8 Dec.92 | |
| 93 | 652Z | Prefeasibility for development of the Luana Valley | |

FINAL PHASE

Monthly Reports

- 93 652AA No.1 Jan-Feb 93
93 652AB No.2 Mar.93
93 652AC No.3-4 Apr.& May 93
93 652AE No.5 June93
- 93 652AD A consultancy on performance appraisal for local government
Main report

PREPARATION OF FIVE YEAR ACTION PROGRAMME FOR RESEARCH

Client: Ministry of Agriculture & Water Development

Finance: World Bank

Companies: Royal Tropical Inst./Euroconsult/HTS

- 87 642A 2nd interim report F

Final Report

- 88 642B Vol.1. Main report F
642C Vol.2. Economic situation F
642D Vol.3. Manpower development in agricultural extension F

MSWEBE FARM

Client: Zambia

Companies: HTS/Taylor Woodrow

- 626A Preliminary investment plan. Draft F
626B Zambian Irrigation Project: information on Mswebe
Farm taken from Ministry of Agriculture files F

LIVESTOCK DEVELOPMENT PROGRAMME

Client: Zambia

Finance: IBRD

Companies: HTS/Urwick,Lugg & Gould

- 69 152A Phase 1. Pre-investment planning report for four dairy
farms & two breeding weaning ranches F
70 152B Interim report on Phase 2 programme F
152C --- : appendices F
152D Vol.1. Sector review & Phase 2 programme F
152E Vol.2. Loan application to the IBRD F
152F Vol.3. Appendices to the loan application F
- 65 4 Photogeological study of three areas in Northern Rhodesia F
Client: Anglo American Corporation of South Africa
Company: Hunting Aerosurveys
- 57 5 Photogeological study of Brooks concession,Northern Rhodesia F
Client: American Smelting & Refining Company
Company: HTS

ZIMBABWE

APRAISAL OF ASSISTANCE TO THE DAIRY MARKETING BOARD

Client: O.D.A.

Company: HTS

- 93 810 Stage 1 report June 93
810A Stage 2 report Aug.93

MASHONALAND EAST FRUIT & VEGETABLE PROJECT EVALUATION

Client: A.D.A.

Company: H.T.S.

- 769A Final report 1992

COTTON SUB-SECTOR STUDY

Client: Cotton Marketing Board

Company: HTS

- 90 743C Interim report
91 743A Final report. Main report
743B - - - : Technical annexes

ADDITIONAL RAW-WATER SOURCES (DAMS) FOR THE CITY OF BULAWAYO

- 88 688 Inception report
688A Note of understanding

REHABILITATION & DEVELOPMENT OF SMALL SCALE IRRIGATION SCHEMES IN COMMUNAL LANDS

Client: Agritex/Department of Rural Development

Finance: Kreditanstalt für Wiederaufbau

Companies: HTS/GKW/Colquhoun, O'Donnell

- 84 567A Mid term report F
85 567B Preliminary report on groundwater potential at Chilonga
& Jalunganga irrigation schemes, by H. Piper F
567N Report & results of the socio economic survey F

Final Report

- 85 567C Vol.1. Executive summary F
567D Vol.2. Sector review F
567E Vol.3. Feasibility study: Devule F
567F Vol.3. F.S. Chilonga F
567G Vol.3. F.S. Jalunganga F
567H Vol.3. F.S. Kanyemba F
567I Vol.3. F.S. Mutambara F
567J Vol.3. F.S. Senkwazi F
567K Vol.3. F.S. Appendices F
567L Vol.4. Development programme F
567M Vol.5. Plans, drawings & photographs
Incl. Soils & land classification for Devule, Mutambara,
Kanyemba, Chilonga, Jalunganga, Senkwazi and Air photos

Study of Additional Schemes

- 86 567O Final report F
567P Further studies at Chilonga: final report
567R Study of additional schemes (Chilonga): final report F
82 514 Mapping of vegetation types from Landsat satellite imagery
, Binga district, by G. Deane F
Finance: Zimbabwe Forestry Commission
Company: HTS

- | | | |
|----|--|---|
| 81 | 476 Land use mapping from Landsat satellite imagery: a case study from the Mazoe River valley, by G. Deane
Company: HTS | F |
| 61 | 60 Notes on the location of lateritic road construction materials | F |
| 58 | 29 Report on the geology of the Alhayat area
Client: Southern Rhodesia. Director of Geological Surveys
Company: HTS | F |

WATER RESOURCES SURVEY

Client: Abu Dhabi.Dept Development & Public Works

Company: A.Gibb

68	142F	Inception report	F
	142A	Interim report	
70	142B	Supplement to interim report Subsurface investigations	F
	142C	Final report	F
74	142D	Test pumping at Bida Al Saoud: final report	F
	142E	Report of testing wells at Al Hajar, Al Ain	F
67	122	Report on soil survey & land classification of Nuqub (Beihan) area, South Arabia	F
		Client: Yemen.Department of Agriculture & Irrigation	
		Finance: Govt of South Arabia	
		Company: HTS	
67	121	Report on soil survey & land classification of Ahwar area. South Arabia	F
		Client: South Arabia.Dept of Agriculture & Irrigation	
		Company: HTS	

B.W. & HUNTING AGRO PROPOSALS & REPORTS

NIGERIA

- 10.85 Meal & gari processing
- 5.85 Prefeasibility studies
1. Mechanised maize production in Kaduna State
2. Production of maize starch
- 2.85 Proposal 1. Maize growing in Kaduna State
2. Production of corn starch
-

PAKISTAN

- 9.86 Construction & equipment for cattle holding yards, slaughterhouses & meat processing/retail facilities. Proposals
-

SAUDI

- 10.87 The potential for agricultural water savings using computer based irrigation scheduling technique
- 9.85 To supply & install computer based irrigation scheduling & control equipment
- 7.84 The agricultural division of the AK Group
-

TANZANIA

COTTON AGRONOMY & ESTATE/SMALLHOLDER PRODUCTION,
KILIMANI AREA: RUFJI DISTRICT

- 7.90 709A Prefeasibility study, Pt 1.
- 8.85 Project study for rehabilitation programme Kikwetu Sisal Estate
- 7.85 Citrus farms study: Mtwara & Muheza districts
- 1.85 The agricultural interest of the J.V. Group
-

U.A.E.

- 2.85 Prospects of provision of farm management services & supplies
-

U.K.

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Companies: British Field Products/Hunting Agro
-

YEMEN

- 8.86 Proposal for date production & processing

SUDAN Rahad Irrigation Project. Contract R9. Central workshop complex

Contract R9/4C Supply of agricultural plant & equipment

Contract R9/15 Supply of additional agricultural equipment

Project Executive Director's report on work programme 1980/81 & 1981/82

Report on Rahad Corporation workshops

PAKISTAN South Rohri Fresh Groundwater Project. Agricultural Component Draft

Contract Nr 1. Supply of crawler tractors & low loaders

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CONTRACTS (KEPT IN CUPBOARD)

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- SOMALI " H.I.S.P. Contract Nr. H1. Flood protection works... : instructions for tendering, conditions of contract, tender form.
- SOMALI " H.I.S.P. Contract Nr. H1. Flood protection works... : drawings
- SOMALI " H.I.S.P. Nominated sub-contract Nr. H1/1. Supply of pumping plant : Instructions for tendering, conditions of contract, specification, schedules, tender forms, drawings.
- SOMALI " H.I.S.P. Nominated sub-contract Nr. H1/2. Supply of water control equipment : instructions for tendering, conditions of contract, specification, schedules, tender form, drawings.

1. REGIONAL PLANNING**RURAL DEVELOPMENT****AFGHANISTAN**

Konar River Basin Development-Master Plan Study..... 1-1

BAHRAIN

Agricultural Potential of the State of Bahrain..... 1-2

BANABA I.

Republic of Kiribati Banaba Island Resource Survey..... 1-15A

BANGLADESH

Integrated Agricultural Development Project in Kushtia, Jessore
and Northern Faridpur Districts 1-3

BRAZIL

Development of Agro Industries in the State of Pernambuco 1-4

CHILE

Mataquito Basin Feasibility Study..... 1-6
A Concagua Valley Irrigation Development Study 1-5

COTE D'IVOIRE

Rural Development of the Bolequin-Zoukougbeu Region 1-14

EGYPT

Suez Canal Region Integrated Agricultural Development Study..... 1-7
The Agricultural Development Potential of the Lake Nasser Region..... 1-8

ETHIOPIA

Central Tigre Rural Development Study 1-9
Tigray Water Resources Development Study..... 1-10
Strengthening of Extension Services in EPID 1-10A

INDONESIA

Water Resources Planning Consultancy 1-12
Assistance to Strengthen the Directorate of Planning and
Programming, DGWRD 1-12A
South Bengkulu Oil Palm Prefeasibility Study..... 1-12B
Tulang Bawang River Basin Master Plan Study 1-12D
Madura Groundwater Irrigation Project Sociological Study of Women in
Agriculture in Madura 1-34
Mesuji River Basin Master Plan Study 1-35
Second Land Resource Evaluation and Planning Project Feasibility Study..... 1-38

IRAN

National Cropping Plan 1-13

KENYA

Large Farms Sector Study 1-15

KUWAIT

Study of Subiya New Town and Bubiyan Island 1-15B

1-11

1-11

Canje Reservoir extension

Indonesia

Environmental Impact Assessment & Training

1-12C

~~Meouje River Basin Master Plan Study~~

~~1-35A~~

~~Deleted 30 July 93~~

See 1-35

Seloge

~~Rural Physical Planning Project~~

~~1-39~~

~~Deleted 30 July 93. See 9-51~~

LESOTHO

- Evaluation of Proposals for an Agricultural Development Project
in Semongkong 1-30

MALAWI

- Estate Diversification Study 1-20A
Food Inputs for Work Programme 1-43

MALAYSIA

- Trengganu Tengah Regional Planning and Development Study 1-16
Johor Tenggara Regional Master Plan 1-17
Miri Bintulu Regional Planning Study 1-18
The Jengka Triangle Project 1-19
Sabah Regional Planning Study 1-20

MOZAMBIQUE

- Agricultural Planning and Policy 1-33

NEPAL

- Kalimati Wholesale Market Project 1-36

NIGERIA

- Donga River Pre-Feasibility Study 1-21
Benue State Agricultural Development Programme 1-21A

OMAN

- Pre-Feasibility Study to Investigate Alternative Means of
Establishing Commercial Farming in Interior Oman 1-22

PAKISTAN

- Development of the Lower Indus Study 1-23
Second Income Generating Project for Refugee Areas 1-23A
Study of the Water and Power Resources of West Pakistan 1-24

PAPUA NEW GUINEA

- Agricultural Project Investigation, Milne Bay Province 1-24A

PHILIPPINES

- Palawan Integrated Environmental Programme Phase I 1-24B
Palawan Integrated Environmental Programme Phase II 1-24C
Palawan Integrated Area Development Project Integrated Environmental
Program (IEP) - Bridging Period 1-24D

SAUDI ARABIA

- Socio Economic Development Plan, Northern Region 1-25
Makkah Regional Planning Project 1-25A

SUDAN

- Agricultural Development in Jebel Marra Area 1-26
Savanna Development Project Phase II 1-27
South Kordofan Rural Planning Unit 1-27A
Jonglei Canal Project Appraisal Study 1-27B
Area Development Schemes 1-27C

SWAZILAND

- Ngwempisi Land Use Planning Study 1-31
Review and Feasibility Study for Komati River Basin Development within
Swaziland (Phase I) 1-37

*Review - Feasibility Study for Komati River Basin Development within Swaziland
(Phase II) 1-37A 2*

THAILAND

Regional Planning Study..... 1-28

TURKEY

Management Improvement Study of TIGEN and TZDK's Seed Production
and Distribution Activities..... 1-32

ZAMBIA

Integrated Rural Development Project; Serenje, Mpika and Chinsali 1-29

2. LAND DEVELOPMENT-SETTLEMENTS STUDY-PROJECT IMPLEMENTATION -ENVIRONMENTAL PROJECTS

<i>Belize</i> Economic Evaluation & Environmental Impact Assessment of the Hummingbird Highway Reconstruction of the Stann Creek Valley Road Design Study.	2-49 2-50
BANGLADESH	
Dahaleswari Mitigation Plan.....	2-47
Agricultural support services project Deleted see 2-53	
BHUTAN	
Manpower Development and Training Project.....	2-20
Manpower Development and Training Project.....	2-20A
Accelerated Food Production Programme.....	2-32
National Agriculture Training Institute Equipment Procurement.....	2-33
<i>Chawang Hills Irrigation Project</i>	2-20
BRAZIL	
Alto Turi Settlement Project.....	2-1
CAMEROON	
Appraisal of Plantations with Recommendations for Future Development.....	2-29
CHINA	
Proposed Demonstration Animal Husbandry Farm at Ho Lan Shan State Farm.....	2-1B
COLUMBIA	
Cordoba No. 2 Project Feasibility Study.....	2-2
ETHIOPIA	
Peasant Agricultural Development Project - Shewa Region.....	2-2C
GHANA	
Accra Plains Irrigation Feasibility Update Deleted: see 2-12A	2-2A
<i>Accra Plains Feasibility Study</i>	2-12A
GREECE	
Land Restoration after Opencast Lignite Mining.....	2-2B
INDONESIA	
Nucleus Estates/Smallholders Development Projects.....	2-3
Nucleus Estates/Smallholders Development in Jambi Province.....	2-4
North Sumatra Smallholder Development Project.....	2-5
Nucleus Estate Smallholder Development Project Bulu Telang.....	2-6
Transmigration and Land Settlement Expansion.....	2-7
Phase III Study of the Kuamang Kuning Transmigration Development Area.....	2-9
Transmigration Settlement Planning Advisory Group Trans. II.....	2-9A
Transmigration Settlement Planning Advisory Group Trans III.....	2-23
Transmigration Settlement Planning Advisory Group Trans V.....	2-24
Transmigration: Trans V East Kalimantan (Package E2).....	2-25
Transmigration Environmental Programme.....	2-25A
Irian Jaya Transmigration Study.....	2-25B
Tree Crops Smallholder Development Project.....	2-39
Semarang/Surakarta Integrated Urban Infrastructure Development Project.....	2-41
Marginal Farmer Community Development Project.....	2-48
<i>Sulawesi Transmigration Area Development Project</i>	2-8
LESOTHO	
SADCC: Watershed Management Pilot Project.....	2-37
Pilot Watershed Management Project Deleted	see 2-37
Pilot Watershed Management Project Deleted	see 2-37

India

Foreign Resettlement Projects, Assam Province. 2-12
Rajshahi Farm Study for Improved Management Services 2-36
Food Grain Storage & Food Grain Banks, Kordofan Region. 2-59

Bangladesh

Agricultural Services Support Project (ASSP) 2-53

Mozambique

Agricultural Services for Family Sector Cotton 2-35

Pakistan

Burrer Development Project 2-46

Fiji/South Pacific

Pacific Plant Protection Services Feasibility Study 2-52
Agricultural Research II Project Federal Component (1)

Gambia

Upper River Division Integrated Programme Mid Term Review 2-51

Belize

~~Reconstruction of Stann Creek Valley Roads Deleted~~ See 2-50 2-44

Asia

~~Investigation of lands with Declining or Stagnating Productivity Deleted~~ See 2-19A Project 2-20

MALAWI

Lakeshore Rural Development Project.....	2-10
Lakeshore Development Project Evaluation Study.....	2-10A
National Rural Development Programme.....	2-10C
Salima Development Division SLADD IV.....	2-10G

MOZAMBIQUE

Inhassune-Ramalhusca Project.....	2-21
-----------------------------------	------

MYANMAR

Farm Survey for Paddy I and II Projects (1982).....	2-1A
---	------

NEPAL

The Arun 3 Hydroelectric Power Project.....	2-31
---	------

PAKISTAN

Buner Development Project Study Project Identification.....	2-27
---	------

PHILIPPINES

Mindanao Smallholder Development Project.....	2-38
---	------

ST VINCENT, WEST INDIES

Orange Hill Preparation Study.....	2-28
------------------------------------	------

SAUDI ARABIA

Project Identification Study at Ad Diriyah.....	2-10B
---	-------

SOMALIA

Bay Region Agricultural Development Project Mid-Term Review.....	2-10D
Nkhata Bay Rural Development Project.....	2-10E
Fancole Settlement Project Phase I Reconnaissance Survey.....	2-10F
Bardheere Dam Resettlement Project.....	2-30

SRI LANKA

The Uda Walawe Project.....	2-11
-----------------------------	------

SUDAN

South Darfur Rural Development Project Development Farms.....	2-13
South Darfur Savannah Development Project Implementation.....	2-14
Jebel Marra Rural Development Project Preparation Study.....	2-14A
South Darfur Jebel Marra Rural Development Project Implementation.....	2-15
Western Savannah Project Phase 1: Project Implementation.....	2-15A
Eastern Equatoria Agricultural Extension, Processing and Marketing Study.....	2-15B
Rehabilitation of Household Gardens.....	2-15D
Southern Darfur UNDP Qureida Settlement Scheme.....	2-15E
Jebel Marra Rural Development Project Phase III.....	2-15F
Refugee Project Consultancy.....	2-15G
Western Savannah Project - Phase II.....	2-15H
Water Yard Rehabilitation Project South Darfur Province.....	2-15J
<i>Area Development Schemes in the Northern Region ADS.</i>	<i>2-10E</i>

SWAZILAND

Review of Rural Development Areas Programme.....	2-15C
--	-------

TANZANIA

IFAD Identification Mission.....	2-26A
Coast Cotton Company Appraisal Study.....	2-26B

TANZANIA (continued...)

Investigation of Lands with Declining and Stagnating
 Productivity: Phase II (Africa)..... 2-26C
 National Agriculture and Livestock Research Project Research Organisation
 and Management..... 2-45

THAILAND

Land Classification and Master Planning of Southern Land Settlements 2-16
 Northeast Land Settlement Development Pilot Project 2-17
 Pakchan Self-help Land Settlement Project 2-18
~~Deleted~~ Northeast Thailand Rural Development Project, Land Settlement Component ~~2-19~~ *See 2-17*
 Investigation of Lands with Declining and Stagnating Productivity: Phase I..... 2-19A

ZAMBIA

Central Province District Development Programme..... 2-22

3. ECONOMIC STUDIES - MONITORING AND EVALUATION

AFGHANISTAN	
Agricultural Credit Project.....	3-1
ANTIGUA	
Report on the Sugar Industry.....	3-11A
BANGLADESH	
Evaluation of the Rural Development Project II.....	3-20
Grameen Deep Tubewell Irrigation Project.....	3-38
<i>Rural Works Programme</i>	3-1A
BELIZE	
Agricultural Credit.....	3-14
BRAZIL	
Advisory Planning Group to Grupo Ececutivo Irrigacao Desenvolvimento Agricola (GEIDA)	3-2
BURKINA FASO	
Evaluation Study of the Impact of Rural Roads.....	3-11
CAMEROON	
Oil Palm Plantation Feasibility Study.....	3-30
Asset Valuation and Cash Flow Projections for Plantations du Cameroun Limited	3-31
<i>Banana Plantation Feasibility Study</i>	3-27
DOMINICA	
Agricultural Credit.....	3-19
GRENADA	
Agricultural Credit.....	3-18
INDONESIA	
Preparation of Trainer/User Manuals.....	3-3
<i>Agriculture Sector Policy Formulation</i>	3-41
KUWAIT	
Training in Economics.....	3-24
MALAWI	
Estate Credit Study.....	3-4A
MAURITIUS	
M1 Pipeline Study.....	3-25
MONTSERRAT	
Agricultural Credit.....	3-17
NEPAL	
Study of the Organisational Structure, Operation, Management and Future Development of APROSC.....	3-4B
Organisation, Management and Financial Strengthening of the Agriculture Inputs Corporation.....	3-4D
Kalimati Wholesale Market Project	3-4C

see 1-36

Abdullah, Sri Lanka or Nepal

Empower Needs for Agricultural Development

3-4-2

5

2

NIGERIA

South Chad Irrigation Project Stage III Pre-design Study Kirinowa Extension	3-4
--	-----

PAKISTAN

Advisory Planning Group	3-5
Monitoring and Evaluation of Drainage IV Project	3-5A
Institutionalisation of Monitoring and Evaluation for Irrigation and Drainage Projects	3-5B
Agricultural Planning and Monitoring Cell Sind Province	3-6
Sind Agricultural Extension and Adaptive Research Project Phase II	3-6C
Lower Indus Project Development Plan Scavenger Wells Project	3-32
Left Bank Outfall Drain Project Review Mission	3-33

PAPUA NEW GUINEA

Department of Primary Industry Monitoring Framework Design	3-6B
--	------

PERU

Agricultural and Power Development in Piura Region	3-22
--	------

QATAR

The Prospects of Agricultural Self-sufficiency in the State of Qatar	3-7
--	-----

ST VINCENT

Agricultural Credit	3-13
---------------------------	------

ST KITTS AND NEVIS

Agricultural Credit	3-16
---------------------------	------

ST LUCIA

Agricultural Credit	3-15
Mabouya Valley Development Project	3-35

SAUDI ARABIA

Management Consultancy	3-7C
------------------------------	------

SEYCHELLES

Land Use Transportation Study	3-7B
-------------------------------------	------

SIERRA LEONE

Proposed Restructuring of MAF and MNR	3-7A
---	------

SOMALIA

Afgoi Mordile Irrigation Project Supplementary Feedlot Study	3-21
Terms of Reference for Shebelle Water Strategy Study and Duduble Feasibility Study	3-21A

SRI LANKA

Establishment and Operation of a Central Monitoring and Progress Control Unit	3-8
---	-----

SUDAN

Agricultural Inputs and Rehabilitation Project	3-10A
Economic Development Potential Study East Bank Eastern Equatoria	3-10D
Equatoria Region Agricultural Programme (ODA/ERAP) Mid Term Review	3-10F
Agadi Farm Management Study	3-37

Nile Valley Loan Appraisal Reports 3-9
Preparation of an Index of Research Work 3-10

TANZANIA

Appraisal for the Establishment of a Fruit Growing Enterprise..... 3-27

THAILAND

Cassava Diversification Programme..... 3-10B

Eastern Seaboard Study..... 3-10C

Sukhothai Groundwater Project Evaluation 3-34

WEST AFRICA OCP PROGRAMME AREASocio-Economic Development Studies in the Onchocerciasis Control Programme
Area Preparatory Phase..... 3-23**WEST INDIES AND BELIZE**

Agricultural Credit Survey in the West Indies and Belize..... 3-12

ZAMBIA

Five Year Action Programme for Research..... 3-26

ZIMBABWE

Bulawayo Water Supply..... 3-28

Mashonaland East Fruit & Vegetable Project 3-39

Yemen

Project Formulation for Fruit & Vegetable Market 3-42.

LIVESTOCK PROJECT SUMMARY SHEETS

ANGOLA	
Livestock Sector Review (1973)	5-1
BOLIVIA	
Meat Marketing and Processing Feasibility Study (1973)	5-2
BRAZIL	
Sheep Production Unit (1981)	5-2A
CYPRUS	
Land Use Survey (1968)	5-3
ETHIOPIA	
Swayne's Hartebeeste Study (1975-1976)	5-4
INDONESIA	
Livestock Development Project (1979)	5-5
IRAQ	
Livestock Sector Review (1974)	5-6
JORDAN	
Range Management Survey (1956)	5-7
Appraisal and Feasibility Study of Pilot Dairy Farm (1978)	5-8
KENYA	
Mt. Kulal Arid Lands Grazing Ecosystem (1977)	5-9
LIBERIA	
Poultry Rehabilitation Study	5-19
NEPAL	
Livestock Development Project, Vaccine Production Unit (1981-1983)	5-9B
OMAN	
Livestock Sector Review and Project Identification	5-10
<i>Livestock Development Company Southern Division</i>	<i>5-21</i>
PAPUA NEW GUINEA	
Beef Cattle Ranching Development Study	5-11

4. FORESTRY

BRAZIL

Forest Development 4-1

GHANA

Forest Resources Management Project 4-8

INDONESIA

Forest Mapping and Resource Evaluation Project 4-5

INDIA

Afforestation, Soil and Water Conservation in Uttar Pradesh and West Bengal

Afforestation of Ravines in Uttar Pradesh

Integrated Watershed Management Programme in Ravinous Area of Chambal Catchment..... 4-6

NIGERIA

Baissa, Bissaula and Amboi Forest Reserves Forest Mapping Project 4-4

SEYCHELLES

Reafforestation Project 4-1B

SUDAN

Southern Darfur Jebel Marra Rural Development Project Forestry Component 4-7

SYRIA

Forest Demarcation and Inventory Programme 4-2

TANZANIA

Forest Industries Development Planning 4-3

*Ethiopia**Ethiopia Forestry Action Plan**4-9**Solomon Islands**Forestry Project Identification Mission**4-10*

SAUDI ARABIA

Livestock Units..... 5-12
Rumah Rangeland Survey 5-12A

SIERRA LEONE

Livestock Development Study..... 5-13

SOMALIA

Livestock Sector Review and Project Identification..... 5-14
 National Tsetse and Trypanosomiasis Control Project..... 5-14A

SUDAN

Livestock Sector Review and Project Identification..... 5-15
 Livestock and Range Development Programme..... 5-15A

SWAZILAND

Livestock Industry Development Study 5-15B

UGANDA

Second Beef Ranching Development Project 5-18
 Beef Ranching Rehabilitation..... 5-18A

YEMEN

Livestock Sector Review and Project Identification..... 5-16

ZAMBIA

Livestock Development Programme..... 5-17
Lusaka Valley Wildlife Services 5-23

Bhutan

~~Strengthening of Veterinary Services for Livestock Disease Control~~ *Deleted* *See 5-22* 5-20
 Strengthening of Veterinary Services for Livestock Disease Control 5-22

6. SPECIFIC CROP STUDIES - PESTICIDE USAGE

AFGHANISTAN

- A Feasibility Study of a Wheat Stabilisation and Marketing Scheme for Afghanistan
Incorporating a Strategic Reserve 6-1A

BANGLADESH

- Groundwater Resources Investigations for the Sylhet and Chittagong Tea
Irrigation Project 6-1

BELIZE, CENTRAL AMERICA

- The Potential for Tobacco Production 6-2

BRAZIL, AMAZONAS

- Sorva Gum Investigations 6-3

COTE D'IVOIRE

- Allen Cotton Development 6-6

EGYPT

- Monitoring of Pesticide Usage in Irrigated Crops 6-16
Monitoring of Pesticide Usage in Irrigated Crops Phase 2 1990 6-16A

INDONESIA

- North Sumatera Smallholder Rubber Survey 6-4
South Sulawesi Nucleus Estates and Smallholders Cotton Project 6-4A
Nusa Tenggara Timur Cotton Project 6-4B
West Java NES Tea Rehabilitation Project 6-4C

IRAQ

- Proposals for the Development of the Citrus State Farm in the
Lower Khalis Project 6-5

MADAGASCAR

- Rehabilitation of Rice Schemes 6-7A

MALAWI

- Lower Shire Valley Rainfed Agricultural Development Project 6-7

MOZAMBIQUE

- Cotton Sub-Sector Study 6-14

NEPAL

- Second Crop Intensification Programme ~~Deleted~~ *See 3-4D* ~~6-13~~

OMAN

- Banana Production in the Salala Region 6-8

PAKISTAN

- North West Frontier Province Dir District Development Plan 6-8A

PARAGUAY

- Bollweevil Impact Study 6-9B

... of ... Management in Cotton ...
Pilot Phase. 6-166

Indonesia Deleted
~~Tree Crops Smallholder Development Project~~ Seri 2-39, 6-18

Indonesia
National Agricultural Research Project Roots & Tubers 6-21

Peru
Review of Status of Cotton Production in Peru. 6-22
5)

SRI LANKA

Monaragala Sugar Sub-Sector Study..... 6-9

SUDAN

Recycling of Pesticide Containers 6-9A

Kenana Sugar Project Feasibility Study 6-10

Nile Valley - Monitoring the Execution of the Agricultural Input Programme
for Irrigated Agriculture in the Sudan..... 6-10A

Rehabilitation of Household Gardens..... 6-19

TANZANIA

Sunflower Research Project Consultancy..... 6-15

THAILAND

Oil Palm Feasibility Study..... 6-11

URUGUAY

Agricultural Diversification Study..... 6-12

ZIMBABWE

Cotton Sub Sector Study..... 6-17

7. IRRIGATION

ARGENTINA

Rio Dulce Project..... 7-54

BANGLADESH

North Bangladesh Tubewell Project..... 7-1

BRAZIL

Sao Paulo Irrigation Study 7-2

CYPRUS

Paphos Irrigation Project..... 7-3

ETHIOPIA

Feasibility Study of the Lower Awash Valley 7-4

FIJI

Navua Pre-Investment Study 7-5

Feasibility Study for Agricultural Development Waldoi Estate..... 7-5A

GHANA

Kpong Irrigation Project..... 7-53

GREECE

Skoupeika Irrigation Project..... 7-6

INDONESIA

Economic Appraisal of the Toraut Irrigation Scheme..... 7-7

South East Sulawesi Transmigration and Area Development Project 7-8A

Kediri Nganjuk Study..... 7-9

Kediri Nganjuk Groundwater Development..... 7-9A

Kediri Nganjuk Project Phase 3A..... 7-10

Lodoyo Irrigation Project: Phase II 7-10A

Krueng Jreue and Krueng Baro Irrigation Projects..... 7-11

Krueng Jreue and Krueng Baro Irrigation Projects: Design and
Implementation 7-12

Dumoga (Part) and Gumbasa Irrigation Projects 7-13

Air Seluma and Air Lais Irrigation Studies 7-13A

Arakundo-Jambu Aye Irrigation and Flood Control Project 7-13B

Warujayeng-Turi Tunggorono Irrigation Project 7-13C

Lodoyo-Tulungagung Irrigation Project 7-13D

Bali Groundwater Planning Report (Bali Design Team)..... 7-13E

Tarusan Irrigation Project Semi-detailed Development Study..... 7-13F

IRAN

Irrigation and Drainage System in Sistan..... 7-14

Lar Dam and Mazandaran Irrigation Project 7-15

IRAQ

Proposal for the Development of the Rice State Farm in the Lower
Khalis Project..... 7-16

Lower Khalis Feasibility Project 7-17

East Gharraf Irrigation and Drainage Project..... 7-19

Kirkuk Irrigation Project 7-18

2000

North Sabah Irrigation Project

7-22

Laotian

Northern Plain Irrigation Project

7-25



Indonesia

East Nusa Tenggara Agricultural Development Project Irrigation Component
South Tapanula Pre feasibility Studies

7-61
7-8

Lesotho

Small Scale Irrigated Vegetable Programme

7-57



Malawi

Shire Main Canals Control & Telecommunications

7-63

SAUDI ARABIA (continued....)

Project Identification Study - Turabah	7-36B
Judah II Centre Pivot Irrigation Planning	7-36C
Judah Area VI Feasibility Study for an Irrigated Wheat Farm	7-36D
Sakakah Drainage Pre-feasibility Study	7-36E

SOMALIA

Water Control and Management of the Shebelli River	7-37
Genale-bulo Marerta Project	7-38
Homboy Irrigated Settlement Project	7-39
Mogambo Irrigation Project	7-39A
Custodial Corps Farms	7-39B
Homboy Area and Smallholder Banana Cultivation in the Lower Juba Valley and Assessment of Agricultural Benefits	7-39D

SRI LANKA

Victoria Scheme Mahaweli Development Project Preliminary Feasibility Report	7-40
System C Mahaweli Development Project Feasibility Study	7-41
System C Final Designs and Detailed Cost Estimator	7-41A

SUDAN

Jebel Marra Investigations	7-42
Blue Nile Waters Study Wad Salman Project	7-43
Blue Nile Pump Schemes Modernisation Study	7-43B
Pre-Investment Survey Pump Projects on the Main and Blue Niles	7-44
Northern Region Irrigation Rehabilitation Project	7-44A
Roseires Pre-Investment Studies for Irrigation Projects	7-45
Nile Valley Rahad Irrigation Project Mechanisation Requirements	7-45A
Nile Valley Rahad Irrigation Project	7-46
Reappraisal of the Northern and Nile Provinces Pump Scheme	7-46A
Saq El Na'am Evaluation and Pre-Investment Study	7-46B
Nile Valley Northern Pump Schemes Rehabilitation Phase 2	7-46G
<i>White Nile Pump Schemes</i>	7-43A

SWAZILAND

Water Resources Development Plan for the Imbuluzi River Basin	7-46C
---	------------------

Deleted, see 11-29

TANZANIA

Mtwara and Lindi Irrigation Pilot Projects, Rice Observation Trials 1980-1981 Season	7-46D
Mtwara and Lindi Irrigation Pilot Projects Rice Observation Trials 1981-1982 Season	7-46E
Mtwara and Lindi Rice Development Project Rice Investigations 1982-1985 Season Trial Results	7-46F

THAILAND

Yom Basin Study	7-47
<i>Sukhothai Groundwater Project Zone I Implementation</i>	7-47A

VIETNAM

Caisan Pioneer Project	7-49
------------------------------	------

YEMEN ARAB REPUBLIC

Ma'rib Dam and Irrigation Project	7-50
Wadi Mawr Project	7-51

IRAQ (continued....)

Re-evaluation Study for Greater Mussayib Project.....	7-19A
Sprinkler Irrigation Study.....	7-19B

JORDAN

Wadi Mujib and Southern Ghors Irrigation Project.....	7-20
Wadi Dhuleil Investigation.....	7-21
Appraisal of the Southern Highland and Desert Irrigation Schemes.....	7-22

KENYA

Bura Project West Phase I.....	7-23A
Bura Irrigation Project Mechanisation Requirements.....	7-23B
Error Irrigation Project Kerio Valley.....	7-23D
<i>Bura Irrigation Settlement Project</i>	7-23

MALAWI

National and Shire Irrigation Study.....	7-24
Irrigation Study Phase I - Pre-feasibility Studies	
Phase II - Feasibility Studies.....	7-24B
<i>Kasungu Water Resources & Irrigation Potential Study Phase I Identifications</i>	7-65

MALAYSIA

Upgrading of Irrigation and Drainage Schemes in Balik Pulau and Seberang Perai, Pulau Pinang.....	7-24A
---	-------

MOZAMBIQUE

Elephant's River Project: Feasibility Study.....	7-25A
--	-------

NEPAL

Irrigation Potential of the Area Under the Command of the Proposed Chisapani Dam, Kamali River, Far Western Terai.....	7-26
Sunsari-Morang Irrigation Project.....	7-26A
Micro-hydel and Hill Irrigation Schemes.....	7-26B
Medium Irrigation Project.....	7-26C
Sunsari-Morang Irrigation Project.....	7-26D
Study of Groundwater Development Strategies for Irrigation in the Terai.....	7-26E
Tumlingtar Irrigation Project.....	7-26F
<i>Kuliyu Irrigation Project</i>	7-62

NIGERIA

Pre-feasibility Study River Yedseram Reservoir and Irrigation System.....	7-27
Investigation and Feasibility Study of an Irrigation Project South of Lake Chad.....	7-28
South Chad Irrigation Project-Western Area Feasibility Study.....	7-29
South Chad Irrigation Project - Eastern Area Feasibility Study.....	7-30
Bakalori Project Design Review.....	7-31
<i>Kota Jimeta Irrigation Project</i>	7-32

PAKISTAN

Sibi-Jhatpat (Kachhi Plain) Development Project.....	7-33
Gandially Dam Project Feasibility Study Additional Investigation.....	7-33A
<i>Swabi Salinity Control & Reclamation Project</i>	7-56

PANAMA, CENTRAL AMERICA

The Irrigation of the Llanos de Cocolé.....	7-34
---	------

SAUDI ARABIA

Afaj Plain Agricultural Improvement Scheme.....	7-35
Afaj Plain Agricultural Improvement Scheme: Construction.....	7-36
Judah Development Study.....	7-36A
<i>Computer Based Irrigation Scheduling</i>	7-55

Division

Water Resources Division

1000

Homboy Irrigated Settlement Project Deleted Sec 7-39 7-39E

Remarks

Irrigation & Drainage Study

7-58

alafat - Bailesti Irrigation Project

7-64

↪

ZIMBABWE

Rehabilitation and Development of Small Scale Irrigation Schemes in Communal Lands.....	7-52
Rehabilitation and Development of Small Scale Irrigation Schemes in Communal Lands.....	7-52A

United Arab Emirates
Hamranayah Irrigation Project

7-48

India

Soil Survey for Agricultural Development of India 9-43

Ethiopia

Ethiopia Forestry Action Plan 9-43

Peoples Democratic Republic of Yemen

Soil Survey and Land Classification of Hajar Area 9-29A
Soil Survey & Land Classification of Qa'ab (Sahar) Area 9-29 (-)

People's Republic of China

Soils & Pasture at Ya Nam Farm Xinxi County Guangdong 9-31
Jian Long Dairy Farm Soil Survey Interpretation 9-31

Brazil

UNDP Amazon Basin Mission 9-31

Kuwait

Soil Survey for the State of Kuwait 9-31

Cyprus

Land Use Survey 9-4

8. LAND RECLAMATION AND SALINITY STUDIES - DRAINAGE AND IRRIGATION - SEWERAGE - POLLUTION

AUSTRALIA	
Murray Valley Salinity Investigation	8-1
BAHRAIN	
Use of Treated Sewage Effluent.....	8-2
BANGLADESH	
Dacca North Irrigation Project	8-3
CHAD	
Abeche Water Supply and Sanitation.....	8-19
EGYPT	
Irrigation-Drainage Rehabilitation of a Mechanised Farm	8-4
Ismailia Canal Study.....	8-5
Greater Cairo Wastewater Project	8-6
<i>Greater Cairo Wastewater Project Sludge Management Study</i>	<i>8-27</i>
GREECE	
Regional Development Project of the Salonika Plain.....	8-7
INDIA	
Tribani Tissues Pollution.....	8-25
IRAQ	
Baghdad Airport Link Road Drainage Project.....	8-21
KENYA	
Tana River Upper Reservoir Pre-Construction Environmental Study.....	8-8
KUWAIT	
Utilisation of Treated Sewage Effluent in Agriculture.....	8-9
NEPAL	
Proposal to Establish a Soil and Water Conservation Centre for Nepal.....	8-10
A Soil Conservation Programme for Lumle and Pakribas Agricultural Centres.....	8-11
Bagmati River Watershed Project.....	8-11A
NIGERIA	
Shiroro Hydro Electric Dam Project Land Reclamation and Salinity Studies, Drainage and Irrigation Projects, Sewerage and Pollution Studies.....	8-22
PAKISTAN	
Mangla Watershed Management Study	8-12
Khairpur Operational Advisory Group	8-13
East Khaipur Tile Drainage Project	8-14
Left Bank Outfall Drain Stage I Project Preparation Study.....	<i>See 11-14A</i>
Khairpur Tubewell Drainage Project	8-15
Left Bank Outfall Drain Project.....	8-15A

PAKISTAN (continued....)

North Dadu Surface Drainage Project.....	8-15B
South Rohri On Farm Water Management Project.....	8-15C
Pre-feasibility Study for the Treatment of Karachi Sewage by Re-cycling and Creating a Livestock Farm in Desert Land.....	8-15D
Water Sector Investment Planning Study.....	8-15E
Left Bank Outfall Drain Stage 1 Project.....	8-23
Lower Indus Region Right Bank Master Plan.....	8-24

ST LUCIA

The Roseau, Denuery and Cul-de-Sac Drainage and Conservation Project.....	8-17A
Drainage and Land Conservation Programme.....	8-17B

SOMALIA

Jowhar Sugar Estate Drainage and Reclamation Study.....	8-16
Flood Damage Study.....	8-16A

SRI LANKA

The Management of the Upper Mahaweli Catchment	8-17
--	------

SUDAN

Water Supply for Gebeit Goldmine.....	8-18A
---------------------------------------	-------

SYRIA

Damascus, Homs and Hama Water Pollution Control Study Effluent Re-use.....	8-18
---	------

UNITED KINGDOM

Stock Farm Quarry Waste Disposal Project.....	8-20
Sandy Cross Waste Disposal Project.....	8-20A
Survey of Sediment Distribution along the North Wirral Coast	8-26

9. SOIL AND LAND USE

BAHRAIN

Land Utilisation Mapping..... 9-1

BANGLADESH

~~The Third Flood Control and Drainage Project..... 9-33²~~

~~Flood Action Plan Operation and Maintenance Study..... 9-33A~~

~~Flood Action Plan Agricultural Study..... 9-33B~~

BELIZE

Prefeasibility Study to Examine the Potential for a Nucleus Estate
and Smallholder Development on the Cramer Moho and Cramer Temash
Lands in Toledo District..... 9-36

Land use Planning in Northern Belize. 9-51

BOTSWANA

Kasane Land Use Survey..... 9-2

BRAZIL

Massangano Irrigation Project..... 9-34

BRUNEI

Land Capability Study..... 9-3

COSTA RICA

Coto Sur (Fronterizo) Project..... 9-3A

COTE D'IVOIRE

Soils of the Area Between the Waha and Farakwo Rivers..... 9-8

EGYPT

South Hussaniya Land Reclamation Project (Supplementary Studies)..... 9-4A

ETHIOPIA

Angelele and Bolhamo Feasibility Study Report..... 9-5

INDONESIA

Agricultural Potential of the Kota Pinang Concession..... 9-7

Bengkalis Barat Laut Land Suitability for Oil Palm Development..... 9-7A

PTPXII: Nucleus Estates and Smallholders Rubber Development..... 9-35

JORDAN

National Soil Map and Land Use Project..... 9-39

KENYA

Turkwell Gorge Multipurpose Project Soils Investigation..... 9-9

Kimwarer Irrigation Study Phases 1 and 2 Kerio Valley..... 9-9A

Reconnaissance Soil Survey Taveta Estate..... 9-9B

LIBYA

Bir-el-Ghnm Development Project..... 9-10

MALAWI

- Shire Valley Project..... 9-11
 Salima Lakeshore Landuse Planning Study..... 9-11A

MOZAMBIQUE

- Citrus Development Project Maputo Province..... 9-37

NICARAGUA

- Geologic Study of Two Areas in North Nicaragua..... 9-12 ?

NIGER

- Dalol Maouri Project..... 9-13

NIGERIA

- A Detailed Soil Survey of the Sunti Area..... 9-14
 A Detailed Soil Survey of the Gerinya Area, Kwara State..... 9-15
 A Detailed Soil Survey of the Magba Area..... 9-16
 A Reconnaissance Study of the Taraba Valley..... 9-17
 Shemankar River Project Reconnaissance Study..... 9-18

OMAN

- Soil and Groundwater Surveys for Wadi Quriyat Kamil - Wafi
 & Buraimi Areas..... 9-18A
 Preliminary Soil Survey of Selected Areas Around Hanfit and
 Qitbeet in Nejd, Southern Region..... 9-32
 Land and Water Resources Appraisal, Seeb and Ibri Farms..... 9-32A

PEOPLE'S REPUBLIC OF CHINA

- Strengthening of Soil and Water Conservation Measures in
 Sichuan Province..... 9-3B
 Strengthening of Soil and Water Conservation Measures in
 Sichuan Province..... 9-31A

PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN

- Soil Survey and Land Classification of Nuqub (Beiha) Area..... 9-29

SAUDI ARABIA

- Todhia Farm Extension Soil Investigations..... 9-18B
 Pivot Sampling and Soil Fertility Evaluation..... 9-18C

SOMALIA

- Inter-Riverine Agricultural Study..... 9-19
 Soils of the Dujuma Settlement Area..... 9-20
 Reconnaissance and Pre-feasibility Studies in Jalalagsie and
 Jowhar Districts and Gedo Region..... 9-20A
 Bay Region Agricultural Development Project..... 9-20B
 Farjano Settlement Project - Land Evaluation..... 9-20C

SPAIN

- Tierra de Campos Occidentale Region Soils and Land
 Classification Survey..... 9-21
 Soils and Land Classification Bardenas Phase II Province
 of Zaragoza..... 9-21A
 Soils and Land Classification Monegros Provinces of
 Zaragoza and Hvesca..... 9-21B
 Soil and Land Use In the Bajo Muga Area..... 9-22
 Soil and Land Use in the Algerri-Balaguer Area..... 9-22A

SRI LANKA

Monaragala Land Use Study.....	9-23
Land Use Planning Project.....	9-40

SUDAN

Land-Use Planning Survey in Southern Darfur.....	9-24
Land and Water Resources Survey of the Jebel Marra Area.....	9-25
Nile Valley Roseires Soil Survey.....	9-26
Kordofan Land and Water Use Survey.....	9-26A
Post Flood Rehabilitation and Reconstruction Programme.....	9-42

TANZANIA

The Development of the Pangani River Basin Soil Investigation.....	9-27
Soils of the Maharunga Basin.....	9-27A

THAILAND

A Detailed Soil Survey of the University Farm Chiangmai.....	9-28
--	------

Yemen

Soil Survey & Land Classification of Ruqub (Berhail) Area.	9-29
Soil Survey & Land Classification of the Ahwar Area.	9-29A

Swaziland
Second Land Resource Evaluation & Planning Project

2-54
2-49A

Swaziland
Review & Feasibility for Komati River Basin Development within
Swaziland - Phase 1

2-43

(A)

(A)

10. REMOTE SENSING - GEOGRAPHIC INFORMATION SYSTEMS (GIS)

AFRICA

NOAA AVHRR (GAC) Data Processing 10-20A

ALGERIA

General Study of Small and Medium Scale Irrigation in Algeria..... 10-29

AUSTRALIA

Evaluation of Methodology for Removing Distortion from NS001 and TIMS Airborne
Linescan Data 10-19

BRAZIL

Montenegro Identification of Wattle Plantations from
LANDSAT Satellite Imagery..... 10-1A

BOTSWANA

Rural Energy Study Landsat Analysis..... 10-1B

CYPRUS

UN Revolving Fund in Cyprus..... 10-22

EUROPE

SAR 580 Campaign 10-12

ESA-ESTEC Study of the Land Use Applications of Synthetic Aperture Radar..... 10-12A

ESA-ESRIN Study of Land Feature Extraction from SAR Images..... 10-12B

Survey of User Requirement for a Future Database 10-12C

ESPRIT Radar Real Time Image Processing..... 10-12D

AGRISCATT Campaign Ground Data and Radar Cross Section Database Coordinator..... 10-12E

A Survey of Airborne Remote Sensing Systems..... 10-12F

Specifications of a Weather Radar System for Agricultural Applications..... 10-12G

DRS Commercialisation Study Remote Sensing Potential..... 10-12H

Design and Implementation of a European Radar Cross Section Database..... 10-25

ESPRIT Multi Sensor Image Processing (MuSIP)..... 10-26

Ground Data Collection Campaigns..... 10-27

Models of Yield Description 10-33

INDONESIA

Radar Geologic Interpretation of the Mahakam Data (Kalimantan) and Tebo
(Sumatera) Areas..... 10-24

IRAQ

Satellite and Aerial Data Analysis Centre Iraq System

101 User Training..... 10-3

Mussayib LANDSAT Study 10-2

ITALY

Po Valley LANDSAT Study of Rice Growing Areas 10-3A

Application of Remote Sensing for Land Use Investigations: State
of the Art Study..... 10-3B

LIBYA

Landsat Thematic Mapper Mosaic of Southern Libya 10-18

Bangladesh
Remote Sensing Training Centre 10-1

Improvement within the Deep Tubewells Project (DTW) 10-44

Central Asia
Production of Landsat MSS Hardcopy 10-21

France
Flood Mapping in the Camargue. 10-51

Indonesia
Application of Remote Sensing Techniques in the Natural Resource Development 10-46

Applications Training on PS Image Processing Equipment 10-52

India
Air Survey Quality Control 10-53

Europe
Study into Microwave Interaction with the Earth's Surface 10-50
Technical Assistance to Agricultural Directorate (DAVI) 10-52

Malaysia
Quality Control Services for the Acquisition & Processing of Synthetic Aperture Radar (SAR) Data over Sabah & Sarawak, E. Malaysia 10-42

NICARAGUA	
Radar Survey of Nicaragua.....	10-4
NIGERIA	
Nirad Project Interpretation Phase	10-5
High Forest Development - Remote Sensing Project.....	10-6
Third Cocoa Project, Pilot Study to Evaluate the Role of Aerial Photography in Cocoa Resource Mapping.....	10-7
Feasibility Study for a Nigerian Natural Resources Information Centre.....	10-8
PAKISTAN	
North Dadu Surface Drainage Project LANDSAT Analysis.....	10-9A
<i>Remote Sensing of Land Use; Right Bank Master Plan.</i>	<i>10-9B</i>
PERU	
Landsat Mosaic of Lima-San Martin Pipeline Route.....	10-16
SPAIN	
Regional Crop Inventory of Castilla-Leon.....	10-20
SUDAN	
Land Systems from ERTS Imagery Bahr El Ghazal Province.....	10-10
Mapping Land Use Change from Landsat Satellite Imagery: Results of a Pilot Study in Southern Darfur.....	10-10A
Southern Darfur Mapping Cropped Land from Landsat Imagery	10-10B
Southern Darfur Revision of Base Maps Using Landsat Imagery	10-10C
Monitoring Vegetation and Land Use Change in Selected Areas of South Darfur Using SPOT Satellite Imagery.....	10-10D
TANZANIA	
Forest Change and Suitability Assessment for Teak Project.....	10-32
TURKEY	
Image Production.....	10-30
Image Production.....	10-31
UNITED KINGDOM	
SEASAT Project Evaluation of Overland SAR Data.....	10-11
An Investigation into Land Use Identification	10-13
The Earth Resources Skylark Rocket A Commercial Evaluation.....	10-14
Monitoring Landscape Change in England and Wales.....	10-14A
ERS-1 Data Centre.....	10-14B
Segmentation of Satellite Radar Images	10-14C
Simulation of Radar Data SAR Data Products.....	10-14D
Land Use Feature Detection in Synthetic Aperture Radar Images.....	10-14E
Countryside Commission of England and Wales Hedgerows Monitoring Project.....	10-14F
British National Space Centre GIS Demonstrator Programme: Survey of Potential Users.....	10-14G
Evaluation of Geological Data Content of SIR-A Imagery	10-14H
The Data Content of Overland Seasat-A SAR Imagery.....	10-14J
Processing and Interpretation of ATM Imagery of Opencast Coalmining Sites	10-14K
Ecological Consequences of Land Use Change II: Analysis of the Monitoring Landscape Change Project Results.....	10-14L
Radiometric Correction of Daedalus AADS1268 (ATM) Linescan Imagery	10-17
Imaging Radar for Geology; A Study of SIR-B and Related Data.....	10-17A
Evaluation of Digitally-Processed SAR-580 Radar Imagery Over Part of the Derbyshire Test Site.....	10-17B

Spain

Granada Valley land use mapping 10-1

Nicaragua

Side-looking Radar Survey of Nicaragua: Report on Operations & Interpretation of Imagery. 10-23

United Kingdom

Agricultural Project: Action 6.1 Ground & Yield Surveys (1991 Season) (1991) 10-39

Scientific Support to the National Remote Sensing Centre 10-46

Mars Project: Ground Data Collection 10-54

Malaysia

Remote Sensing in the Study of the Forest Fire Problem 10-57

ZIMBABWE

Binga District Mapping of Vegetation Types from LANDSAT Satellite Imagery 10-15

Yemen

Woodland Resources Mapping 10-34

International

Land Resource Survey & Planning Course. (Annually) 10-45

Italy.

Provision of Expertise on ARC/INFO Geographic Information Systems 10-48

Swaziland

Development of Land Information System 10-35

Spain

Examination of Existing Databases in Relation to the Common Agricultural Policy 10-43.

11. WATER RESOURCES SURVEYS - GROUNDWATER STUDIES

ALGERIA

Evaluation of Groundwater at Timgaouine and Abankor (Hoggar)..... 11-1

BAHRAIN

Umm Er Radhuma Study Bahrain Extension 11-2

Groundwater for Desalination..... 11-2A

Modelling Groundwater Salinity..... 11-2B

BANGLADESH

~~Tubewell Project~~ *delete see 7-1* 11-2C

Tubewell Project 11-3

Water Balance Studies 11-3A

Second Tubewell Project 11-3B

Groundwater Modelling Study 11-3C

World Bank Deep Tubewell Project II 11-3D

Flood Control, Drainage/Irrigation Agricultural Study (FAP 12) 11-41

Flood Action Plan Operation and Maintenance Study (FAP 13) 11-42

CHINA

Hong Kong Flood Relief Strategy Study..... 11-4C

ETHIOPIA

An Investigation of Groundwater Potential in the Humera Project Area 11-5

INDONESIA

Third Irrigation Sector Project Aceh Province..... 11-3E

Kali Progo Basin Study..... 11-6

Tukad Sabah Study 11-7

East Java Groundwater Survey..... 11-8

East Java Irrigation Project 11-8A

Madura Study 11-10

Madura Groundwater Irrigation Project..... 11-10A

Madura Groundwater Irrigation Project Technical Assistance 11-10B

Madura Groundwater Irrigation Project..... 11-10C

Lampung Water Resources Development Project..... 11-11

Bali Groundwater..... 11-12

Gunung Kidul Groundwater Project..... 11-13

Land and Water Resource Studies 11-13A

Greater Yogyakarta Groundwater Resources Study 11-13B

Greater Yogyakarta Groundwater Resources Study - Extension..... 11-13C

Aceh Design Unit..... 11-13D

Aceh Provincial Irrigation Project..... 11-13F

IRAN

Groundwater Resources of the Tehran Basin and it's Development 11-14

JORDAN

East Bank Jordan Water Resources..... 11-15

Storage Facilities in the Wadi Mallaha Study 11-16A

Karak-Hara Groundwater Irrigation Project 11-16

Storage Facilities in the Wadi Mallaha - Karaneh Dam Project 11-54

Indonesia

Water Basin Development Project	11-50
Sumarak Upper Watershed Project Preparation Study	11-51
Nadura Groundwater Irrigation Project Phase III	11-53

Pakistan

Left Bank Outfall Drain Stage I Project Preparation Study	11-144
---	--------

Bangladesh

South West Area Water Resources Management Project Farm Action Plan I	11-52
--	-------



LESOTHO	
Water Resources Development	11-17
LIBYA	
Marada Chemical Complex.....	11-18
MALAYSIA	
Development of Production Wells in Kedah and Perlis.....	11-18A
Groundwater Resources for Agricultural Use.....	11-18B
MYANMAR	
Groundwater Exploration and Pilot Development Phase I (1980).....	11-4
Groundwater Exploration and Pilot Development Phase 2 (1980-1982).....	11-4A
NIGERIA	
Groundwater Investigation Koton Karifi Kwara State.....	11-19
Kano State Rural Water Supplies.....	11-19A
Water Supply Master Plan.....	11-20
OMAN	
Power and Urban Water Supply Study.....	11-21
PAKISTAN	
Small Dams Feasibility Study.....	11-38
PANAMA	
Study of Groundwater for Irrigation in the Dry Zone of Panama.....	11-36
PEOPLE'S REPUBLIC OF CHINA	
Gujiao Water Resources and Wastewater Disposal Study.....	11-4B
PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN	
Wadi Tuban Water Management Study.....	11-34
Laboos Water Supply Study	11-35
Wadi Hadramaut Agricultural Development Project Phase II.....	11-37
SAUDI ARABIA	
Wadi Najran Project.....	11-23
Riyadh Additional Water Resources Study.....	11-24
SUDAN	
Water Survey and Development Project in Darfur Province.....	11-25
Water Supply Development El Obeid Kordofan Province	11-27
Blue Nile Waters Study.....	11-28
Western Equatoria Kagwada Rural Development Project Hydrogeological Investigation.....	11-28A
Nile Waters Study.....	11-28B
Economic Water Planning Model Eastern Region.....	11-39
THAILAND	
Water Resources Investigation Phrae and Sukhothai Provinces	11-30
UNITED ARAB EMIRATES	
Wadi Hadf Water Resources Survey.....	11-31
Water Resource Survey, Abu Dhabi	11-32
Falaj Dhaid Feasibility Study.....	11-33

Handwritten Title

Handwritten Title

11-22

Sudan

Jordafan Province Appraisal of Groundwater Conditions for (Jama Rumay) Settlement

11-22

(A)

VENEZUELA

Hato el Charcote, Edo Cojedes Oil Palm Development Project 11-40

Swaziland

Water Resources Development Plan for the Imbuluzi River Basin 11-20

12. DATA ASSESSMENT

SPAIN

Vegetation Conditions and Yield Indicators with Meteorological Satellite Data.....	12-3
Regional Crop Inventory from Satellite Imagery.....	12-4
<i>Regional Crop Inventory of Castilla Leon</i>	<i>12-4A</i>

SUDAN

Natural Resource Data Assessment for Darfur and Kordofan.....	12-1
---	------

UNITED KINGDOM

Monitoring Landscape Change: October 1987 Storm Damage Assessment.....	12-2
--	------

Indonesia

Strengthening PBME activities in DGWRD

12-5

13. GEOLOGY

BRAZIL

A Geological Interpretation of the Mid Amazon Basin from Landsat and Radar Imagery 13-10

Parana Basin Fracture Analysis Study 13-10B

Interpretation of SPOT Imagery 13-10A

IRELAND/EIRE

Donegla Remote Sensing Project 13-9A

Photogeology 13-9

KUWAIT

Geological Mapping 13-11

LIBYA

Structural Geological Interpretation 13-66

MOZAMBIQUE

Consultancy for Development Minerals Sector 13-25

Mineral Inventory 13-25A

Mineral Inventory 13-25B

Rare Metal and Rare Earth Deposits in Mozambique Mineral Development Study 13-25C

PERU

Geological Interpretation of Radar Imagery of South Eastern Peru 13-48

QATAR

Geological Mapping 13-24

UNITED KINGDOM

Development of Regional Exploration Criteria for Buried Ore Deposits 13-50

UNITED STATES OF AMERICA

Evaluation of Radar Imagery over the ^{Eastern} Easter Overthrust Belt of the United States of America 13-52

VENEZUELA

Zulia State Socuy Coal Project 13-53

India

Mineral Exploration of Madya Pradesh 13-8

Lesotho

Photogeology 13-15

Libya

Mineral Exploration, Jebel Uwaynat, Tebesti & Jebel ben Chenemeh Areas 13-17

Structural Geological Interpretation 13-66

Industrial Minerals, Benghazi 13-17A

Madagascar
Structural Geological Interpretation

13-26
13-62

Somalia

Photogeology - Landsat Interpretation

13-28

Sierra Leone

Exploration for Rutile

13-29

United Arab Emirates

Mineral Exploration & Geological Mapping

13-30

Mineral Exploration
Carbonatite Investigations

13-51
13-51H

Malaysia

Geological Survey Report
for State Development Plan
and Regional Planning Study

13-32
13-32H
13-32H

South Africa

Fracture Analysis

13-27

Republic of the Congo
Geological Survey

13-33

Zaire

Diamond Exploration Kasai Province

13-65

Turkey

Geological Interpretation of the Tuz Golu Region Central Anatolia using
Landsat TM MSS Imagery

13-67

14. AERIAL PHOTOGRAPHY - MAPPING - PHOTOGRAMMETRY

GHANA

Ghana Survey Department Aerial Photography, Photogrammetry and Mapping..... 14-25

INDONESIA

Urban Mapping Dissemination and Fiscal Cadastre Production 14-32

Consulting Services to D.G. Agrarian Affairs for Urban IV Mapping Project..... 14-32A

QATAR

National Survey..... 14-55

SAUDI ARABIA

Umm Er Radhuma Survey..... 14-57

Jeddah Municipality Digital Mapping and Cadastral Information Management System..... 14-57A

SUDAN

Cartographic Training Course WSDC, Nyala 14-58

UNITED KINGDOM

The Mapping of Heather in England and Wales..... 14-59

New Map of England Pilot Project 14-17.

Burundi

Mapping for Mineral Exploration 14-16

Malaysia

Gunong Sumatogang Limestone 14-145

Rwanda

Mapping for Mineral Exploration 14-56

Mauritania

Petrogeological Interpretation of Aggout Area. 14-60

Niger

Structural Interpretation of Western Niger 14-62

15. ENVIRONMENTAL STUDIES (NRSC)

SPAIN

Geotechnical Investigation of the Duero, Andujar and El Cabril Areas..... 15-15

UNITED KINGDOM

A Study of Coastal Pollution.....	15-1
Conservation - North York Moors.....	15-2
Data Combination for Planning.....	15-3
Monitoring Mineral Workings.....	15-4
Investigations of Proposed Disposal of Radioactive Waste at Killingholme	15-5
Monitoring Open-Cast Coal Mining and Reclamation	15-6
Mapping of Outfall of Power Station Waters	15-7
Study of Bird Habitat	15-8
Sandbank Monitoring.....	15-9
Investigations of Potential Hazard at Settle School	15-10
Woodland Maps and Statistics	15-11
Feasibility of Using Remotely Sensed Data to Detect Effects of Acid Rain	15-13
Rapid Assessment of Oil Slicks	15-14
Environmental Monitoring of Globe Theatre, London	15-15
Environmental Monitoring of Rose Theatre, London	15-17
Bracken & Heather Distribution	15-12

17. HUNTING LAND & ENVIRONMENT LIMITED

UNITED KINGDOM

Acid Rain Monitoring using Remote Sensing.....	17-1
Mapping Upland Bird Habitats from Satellite Imagery.....	17-2
Feasibility of Mapping Bracken from Satellite Imagery.....	17-3
Satellite Imagery for Bird Studies in Lowland Britain.....	17-4
Ecological Consequences of Land Use Change.....	17-5
Satellite Imagery and Digital Maps for Local Authority Planning.....	17-7
Feasibility of Mapping Change in Heather Moorland from Satellite Imagery	17-8
Mapping Heather Moorland in Scotland from Satellite Imagery	17-10
Mapping and Land Cover Change in Water Catchments from Satellite Imagery.....	17-12
Woodland Maps and Statistics	17-13
Applications of Remote Sensing to Environmental Aspects of Surface Mining.....	17-14
Identification and Monitoring of Surface Mineral Workings using Landsat	
Thematic Mapper and SPOT Imagery	17-15
Mapping Coastal Pollution from Satellite Imagery.....	17-16

Environmental Impact of the New Waterways Routes

17-17

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Land classification Sheets 1-9

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Map Title	Scale	Plate/Drawing No.
Upper Naft land classification	1:20 000	5a
Lower Naft land classification	1:20 000	5b
Upper Naft soils	1:20 000	4a
Lower Naft soils	1:20 000	4b

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left bank development
1959 MMP HTS
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Map Title

Land classification
Soils
Land classification
Soils

Scale

1:200 000
1:200 000
1:50 000
1:50 000

Plate/Drawing No.

DMT 128
DMT 127
MT 1-6, 9-11, 15
MT 1-6, 9-11, 15

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ALBUM TITLE:
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Map Title	Scale	Plate/Drawing No.
Soils	1:200 000	
Land class	1:200 000	LD 1, 2, 5, 6, 9, 11,
Soil	1:50 000	14-16
Land class	1:50 000	1-16

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ALBUM TITLE:
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IRAQ
Lower Khalis Project
1971 MMP, HTS
1

ALBUM No. 09 04 3 ✓

Map Title

Upper Khalis land tenure Sheets 1 and 2
Upper Khalis watercourse unit
Land redistribution study - sample area land tenure
Land boundaries
Land redistribution study - sample area irrigation and drainage layout

Scale

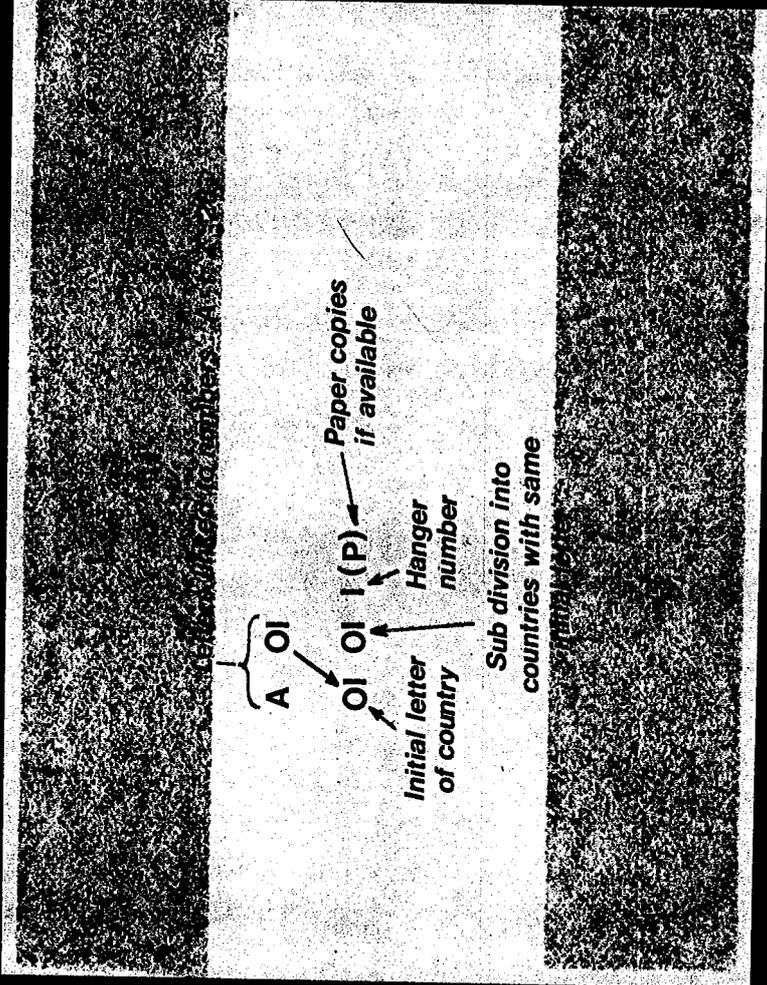
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Plate/Drawing No.

LK15, LK16
LK17
LK18
{LK19

COUNTRY IRAQ
 PROJECT AND/OR Z.A.D. Irrigation Projects: Nahrwan, Adhaim, and Ishaqi Areas
 ALBUM TITLE: Also - Makhmor Area. Engineering Drawings
 DATE AND PEOPLE RESPONSIBLE: 1956, BINNIE, HTS
 NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Canal and drain system		1A, 1B
Greater Zab diversion weir		2
Longitudinal section of main canal K0-K33		3
Longitudinal section of main canal K33-K81.4		4
Longitudinal section of main canal K956-K146		5
Longitudinal section of main canal K146-K157.6		6
Longitudinal sections of branch canals		7
Type designs for bridges and falls		8
Type designs for regulators and aqueducts		9
Type designs for cross drainage structures		10
Canal lines surveyed		11
Makhmor Area Soils key sheet	1:250 000	
Makhmor Area Soils	1:50 000	M1-M6
Makhmor Area Land classification key sheet	1:250 000	
Makhmor Area Land classification	1:50,000	M1-M6
Nahrwan Area Soils	1:250 000	
Nahrwan Area Land classification	1:250 000	N1-N11
Adhaim Area Land classification	1:250 000	
Adhaim Area Land classification	1:50 000	A1-A7
Ishaqi Area Land classification	1:250 000	
Ishaqi Area Land classification	1:50 000	I1-I4



ALBUM No. 01 02 1

COUNTRY: ABU DHABI
PROJECT AND/OR: Water Resources Survey
ALBUM TITLE: 1969 - GIBB
DATE AND PEOPLE RESPONSIBLE: 2
No. OF COPIES:

Map Title:	Scale	Plate/Drawing No.
Al Ain area reconnaissance land class and soils. Sheets 1-4	1:50 000	CB 6075 CB 7075
Al Ain and district Topographical	1:10 000	CB 6080 CB 7080
Geological	1:1 000 000	G.3.1
Abu Dhabi State	1:500 000	G.1.1
Geological	1:100 000	G.5.1
Groundwater quality	-	G.6.1
Catchment Area east of Al Ain	1:1 000 000	G.6.2

COUNTRY: BAHRAIN - SAUDI ARABIA
PROJECT AND/OR Umm er Radhuma Study - Bahrain Assignment
ALBUM TITLE: Album 2 - Engineering drawings
DATE AND PEOPLE RESPONSIBLE: 1979 - GDC
NO. OF COPIES: 4

ALBUM No. 02 01 1

Map Title:	Scale	Plate/Drawing No.
1 Project Map	1:50 000	UGR/B 70
2, 3 Irrigation and drainage layout - Salmabad Sheets 1, 2	1:10 000	UGR/B 71, 72
4 Irrigation and drainage layout - Hawrat Inqa Area	1:10 000	UGR/B 73
5 Typical basin and overhead irrigation layouts		UGR/B 74
6 Typical trickle irrigation layout		UGR/B 75
7 Typical drainage details		UGR/B 76
8 Open drain sections		UGR/B 77
9 Drainage pump sections		UGR/B 78
10 Hawrat Inqa farm centre layout		UGR/B 79
11 Building details		UGR/B 80
12 Hawrat Inqa dairy enterprise		UGR/B 81
13 Typical Road cross sections		UGR/B 82
14 Road culverts		UGR/B 83
15 Storage reservoir at Tubli Water Pollution Control Centre		UGR/B 84
16 Pipework details		UGR/B 85
17 Tubewell details		UGR/B 86

COUNTRY:
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BAHRAIN - SAUDI ARABIA
Umm er Radhuma Study - Bahrain Assignment
Album 1 - Soils, Hydrogeology and the Groundwater Model
1979 - GDC
4

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1 Level 3 Soils Survey Area:	1:125 000	UGR/B 110
2 Salmabad NW	1:10 000	UGR/B 20
3	1:10 000	UGR/B 26
4	1:10 000	UGR/B 32
5 Salmabad NE	1:10 000	UGR/B 21
6	1:10 000	UGR/B 27
7	1:10 000	UGR/B 33
8 Salmabad West	1:10 000	UGR/B 22
9	1:10 000	UGR/B 28
10	1:10 000	UGR/B 34
11 Salmabad East & Al Buhayr	1:10 000	UGR/B 23
12	1:10 000	UGR/B 29
13	1:10 000	UGR/B 35
14 Salmabad South	1:10 000	UGR/B 24
15	1:10 000	UGR/B 30
16	1:10 000	UGR/B 36
17 Salmabad Hawrat Inqa	1:10 000	UGR/B 25
18	1:10 000	UGR/B 31
19	1:10 000	UGR/B 37

Map Title:	Scale	Plate/Drawing No.
20, 21 Generalised Pedology Sheets 1, 2	1:50 000	UGR/B 38-39
22, 23 Geology Sheets 1, 2	1:50 000	UGR/B 46-47
24 Geological sections		UGR/B 62
25, 26 Thobar Aquifer Piezometry 1979 Sheets 1, 2	1:50 000	UGR/B 58-59
27, 28 Rus - Upper Umm er Radhuma Aquifer Piezometry Sheets 1, 2	1:50 000	UGR/B 60, 61
29, 30 Khobar Aquifer Salinity Sheets 1, 2	1:50 000	UGR/B 56-57
31, 32 Rus - UGR Aquifer Salinity Sheets 1, 2	1:50 000	UGR/B 54-55
33-36 Well Inventory Sheets 1-4	1:10 000 +	UGR/B 63-66
37 Model Network and boundary conditions	1:250 000	UGR/B 111
38-39 Structure contours Sheets 1, 2	1:500 000	UGR/B 112, 113
40-41 Isopachytes Sheets 1, 2	1:500 000	UGR/B 114, 115
42 Aquitard components	1:500 000	UGR/B 116
43 Recharge - discharge distribution	1:250 000	UGR/B 117
44 Permeability distribution	1:500 000	UGR/B 118
45, 46 Observed early piezometry Sheets 1, 2	1:500 000	UGR/B 119, 120
47 Simulated steady state piezometry	1:500 000	UGR/B 121
48 Model generated transmissivity	1:500 000	UGR/B 122
49 Model generated leakance coefficients	1:500 000	UGR/B 123
50 Simulated steady state vertical flow rates	1:500 000	UGR/B 124
51 Simulated head change pre-development to 1980	1:500 000	UGR/B 125
52, 53 Predicted head change Khobar aquifer Sheets 1, 2	1:500 000	UGR/B 126, 127

COUNTRY: BAHRAIN
PROJECT AND/OR ALBUM TITLE: Agricultural Development at Mawarat Anqa
DATE AND PEOPLE RESPONSIBLE: 1985 - GDC
NO. OF COPIES: 1

Map Titles

Project Location Map
Irrigation and Drainage Layout - Sheet 1
Irrigation and Drainage Layout - Sheet 2
Tubewells
Supply Main Longitudinal Section
Irrigation Sub-mains Schematic Layout
Balancing Tank
Irrigation Pump Stations
Centre Pivot Details
Bubbler Equipment Details
Trickle Equipment Details
Field Drainage Details
Outfall Drain Details
Drainage Pump Station
Pipeline Details - Sheet 1
Pipeline Details - Sheet 2
Roads
Tunnel Houses
Packhouse and Nursery
Office Building - Sheet 1
Office Building - Sheet 2
Labourers' Quarters - Sheet 1
Labourers' Quarters - Sheet 2

Drawing No.

1400/3/1
1400/3/2
1400/3/3
1400/3/4
1400/3/5
1400/3/6
1400/3/7
1400/3/8
1400/3/9
1400/3/10
1400/3/11
1400/3/12
1400/3/13
1400/3/14
1400/3/15
1400/3/16
1400/3/17
1400/3/18
1400/3/19
1400/3/20
1400/3/21
1400/3/22
1400/3/23

COUNTRY: BAHRAIN
PROJECT AND/OR ALBUM TITLE: Agricultural Development at Mawarat Ali
DATE AND PEOPLE RESPONSIBLE: 1985 - GDC
NO. OF COPIES: 1

ALBUM No. 02 0/3

Map Titles	Drawing No.
Project Location Map	1400/1/1
Irrigation and Drainage Layout - Sheet 1	1400/1/2
Irrigation and Drainage Layout - Sheet 2	1400/1/3
Irrigation and Drainage Layout - Sheet 3	1400/1/4
High Pressure System Layout and Longitudinal Section	1400/1/5
Low Pressure System Layout and Longitudinal Section	1400/1/6
Gravity System Layout and Longitudinal Section	1400/1/7
Irrigation Pump Stations	1400/1/8
Centre Pivot Details	1400/1/9
Permanent Set Sprinkler Details	1400/1/10
Bubbler Equipment Details - Sheet 1	1400/1/11
Bubbler Equipment Details - Sheet 2	1400/1/12
Trickle Equipment Details	1400/1/13
Gated Pipe Equipment Details	1400/1/14
Secondary and Main Drain Longitudinal Sections	1400/1/15
Field Drainage Details	1400/1/16
Outfall Drain Details	1400/1/17
Drainage Pump Station	1400/1/18
Pipeline Details - Sheet 1	1400/1/19
Pipeline Details - Sheet 2	1400/1/20
Pipeline Details - Sheet 3	1400/1/21
Roads	1400/1/22
Tunnel Houses	1400/1/23
Packhouse and Nursery/NFT Buildings	1400/1/24
Workshop - Sheet 1	1400/1/25
Workshop - Sheet 2	1400/1/26
Labourers' Quarters - Sheet 1	1400/1/27
Labourers' Quarters - Sheet 2	1400/1/28
Managers' House - Sheet 1	1400/1/29
Managers' House - Sheet 2	1400/1/30
Managers' House - Sheet 3	1400/1/31

COUNTRY: BAHRAIN
PROJECT AND/OR ALBUM TITLE: Agricultural Development at Adari
DATE AND PEOPLE RESPONSIBLE: 1985 - GDC
NO. OF COPIES: 1

ALBUM No. 02 01 4

Map Titles

Project Location Map
Irrigation and Drainage Layout
Supply Main Longitudinal Sections and Layout
Drain Longitudinal Sections
Irrigation Supply Details - Sheet 1
Irrigation Supply Details - Sheet 2
Irrigation Supply Details - Sheet 3
Irrigation Supply Details - Sheet 4
Open Drain Details
Buried Field Drain Details
Drain Structures
Drainage Pump Station

Drawing No.

1400/4/1
1400/4/2
1400/4/3
1400/4/4
1400/4/5
1400/4/6
1400/4/7
1400/4/8
1400/4/9
1400/4/10
1400/4/11
1400/4/12

ALBUM No. 02 015

COUNTRY: BAHRAIN
PROJECT AND/OR ALBUM TITLE: Agricultural Development at Buhayr
DATE AND PEOPLE RESPONSIBLE: 1985 - GDC
NO. OF COPIES: 1

Map Titles	Drawing No.
Project Location Map	1400/2/1
Irrigation and Drainage Layout - Sheet 1	1400/2/2
Irrigation and Drainage Layout - Sheet 2	1400/2/3
Supply Main Longitudinal Section	1400/2/4
Irrigation Pump Stations	1400/2/5
Centre Pivot Details	1400/2/6
Bubbler Equipment Layout and Details	1400/2/7
Field Drainage Details	1400/2/8
Outfall Drain Details	1400/2/9
Drainage Pump Station	1400/2/10
Pipeline Details - Sheet 1	1400/2/11
Pipeline Details - Sheet 2	1400/2/12
Roads	1400/2/13
Office Building - Sheet 1	1400/2/14
Office Building - Sheet 2	1400/2/15

COUNTRY:
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

BRAZIL

DAEE Atlas - State of São Paulo
1973
1

ALBUM No. 02 02 1 ✓

Map Title:

	Scale	Plate/Drawing No.
Location map		01
Road system		02
Annual rainfall and evaporation		03
Monthly evaporation		04
Mean monthly wind direction and humidity		05
Mean monthly temperature sunshine hours		05
Monthly effective rainfall		06
Topography		07
Geological map and geological sections		08
Groundwater		09
Monthly surface water flows		10
Administrative and sub-administrative regions		11
Population distribution and rural population density		12
Soils		13
Various crop distribution and yields		14-22
Present seasonal and total cropping intensities		23
Storage and export corridors		24
Potential and proposed land use for irrigation		25
Future cropping intensities		26
Provisional water plan		27
Provisional development plan for irrigation		28
Economic analysis of the provisional development plan		29
Provisional future production and consumption		30

COUNTRY:
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

BANGLADESH
BADDC/IDA Tubewell Project
Volume VII
1977 MMP
1

ALBUM No. 0203 1 ✓

Map Title:	Scale	Plate/Drawing No.
Bangladesh		1
Project Area and wells		2
Annual flooding		3
Dry season Piezometry		4
Monsoon season Piezometry		5
Annual water table fluctuations		6
Polymod: Initial groundwater table condition		7
Land development units		8
Aquifer units		9
Aquifer thickness		10
Specific Drawdown		11
Transmissivity		12
Present development conditions: Piezometry costs		13
Shallow tubewell potential		14
Potential deep tubewell development limits		15
Ganges - Atrai Area:		
Annual flooding		16
Dry season Piezometry		17
Monsoon season Piezometry		18
Annual water table fluctuations		19

Map Title:

Upper clay thickness
Aquifer thickness
Aquifer storage variations
Geological cross sections
Present development Piezometry and costs
Potential deep tubewell limits
Tubewell electrification

Scale

Plate/Drawing No.

20
21
22
23
24
25
26

COUNTRY: BANGLADESH
PROJECT AND/OR Integrated Agricultural Development Project in Kushtia, Jessore
ALBUM TITLE: and Northern Faridpur Districts. Project Preparation Report Annex of Drawings
DATE AND PEOPLE RESPONSIBLE: 1981 MMP, HTS, SARM ASSOC.
NO. OF COPIES 1

ALBUM No.02-03-2

Map Title	Scale	Plate/Drawing No.
Project Location Map	1:125,000	Plate 1
Soil Association Map	1:200,000	Map 1
Land Capability Association Map	1:200,000	Map 2
Land Form Association Map	1:200,000	Map 3
Irrigation Suitability Map	1:200,000	Map 4
Deep Tubewell Distribution and Observation Well Network	1:200,000	Plate 2
Water Quality Map	1:200,000	Plate 3
Typical Deep Tubewell	1:200,000	Plate 4
BWDB Small Scheme - Tipi and Other Bills		Plate 5
Thana Workshop		Plate 6
Rural Works Programme-Maheshpur Thana Sheet 1		Plate 7A
Rural Works Programme-Maheshpur Thana Sheet 2		Plate 7B
Rural Works Programme - SBK Union		Plate 8

Obvious contradiction
 of scales as rep.

COUNTRY: BURMA
 PROJECT AND/OR BURMA UMBRELLA PROJECT Groundwater Exploration and Pilot
 ALBUM TITLE: Development Sub-Project. Final Report. Album of Maps
 DATE AND PEOPLE RESPONSIBLE GDC
 NO. OF COPIES 1

ALBUM No.02-04-1

Map Title	Scale	Plate/Drawing No.
Areas 1 and 2 - Soils	1:253,440	1
Areas 1 and 2 - Depth to Water Level		2
Areas 1 and 2 - Piezometry		3
Areas 1 and 2 - Water Quality		4
Areas 3 and 4 - Soils		5
Areas 3 and 4 - Depth to Water Level		6
Areas 3 and 4 - Piezometry		7
Areas 3 and 4 - Water Quality		8
Area 5 - Soils Map		9
Area 5 - Depth to Water Level		10
Area 5 - Piezometry		11
Area 5 - Water Quality		12

COUNTRY:

PROJECT AND/OR

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE:

NO. OF COPIES:

CHILE

Estudio Integral de Riego de la Cuen

Ca Del Rio Mataquito

BINNIE; CICA; HTS

ALBUM No. 03 01 1 ✓

Map Title:

Geologia Regional

Vegetacion, uso del Suelo y erosion

Zonas Agroclimaticas Principales

Distribucion de zonas de Riego

Agrupacion por Aptitud Agricola

Capacidad de uso de los Suelos

Planos de Suelos

Scale	Plate/Drawing No.
1:250 000	1
1:250 000	2
1:250 000	3
1:250 000	4
1:160 000	5
1:160 000	6
1:40 000	7-17

COUNTRY:
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

COLUMBIA

Cordoba No. 2 Project
1971 HTS
1

ALBUM No. 03 04 1

Map Title:	Scale	Plate/Drawing No.
General location		1
Existing works		2
Land tenure		3
Road irrigation and drainage systems: General Layout irrigation and Basin lands		4
Road irrigation and drainage systems: Irrigation in Basin land Sheets 1-3		5, 6, 7
Road irrigation and drainage systems: Irrigation in Levee lands		8
Road irrigation and drainage systems: Irrigation in Levee lands Sheets 1-3		9, 10, 11
Typical structures for road crossings		12
Typical structures in irrigation canals		13
Dike parallel to the Sinu river		14
Irrigation in Basin land: Monteria pumping station and intake		15
Irrigation in Basin land: Monteria main canal		16
Irrigation in Basin land: Monteria pumping station No. 3		17
Irrigation in Levee lands: Mocari pumping station		18
Bugre Control structure		19
Construction stages		20
Operation divisions for drainage and irrigation in Basin lands		21
Operation divisions for drainage		22
Engineering of detailed planning in Stage I		23
Development of 3 rated land (rainfed)		24

COUNTRY: EGYPT
 PROJECT AND/OR Draft: The coordinated development of areas west of the
 ALBUM TITLE: Noubaria Canal. Irrigation drainage rehabilitation of the mechanised farm
 DATE AND PEOPLE RESPONSIBLE: 1979 - MMP, HTS
 NO. OF COPIES: 1

Map Title:	Scale	Plate/Drawing No.
Project map		1
Irrigation layout showing remedial work		2
Drainage layout showing remedial work		3
Road layout showing remedial work		4
Infield tile drainage layouts work		5
Mechanised farm canal long section		6
Surveyed cross-sections - mechanised farm canal Sheets 1-7		7-13
Mechanised farm canal alternative route from El Nas Canal		14
Branch drain long sections Sheets 1,2		15, 16
Surveyed cross-sections. Main drain		17
Surveyed cross-sections. Branch drains Sheets 1-5		18-22
New nour drain		23
Analogue seepage models		24
Well hydrographs		25
Well salinity charts		26
Lithological logs. Sheets 1-3		27-29

COUNTRY EGYPT
 PROJECT AND/OR ALBUM TITLE: South Hassaniya Land Reclamation
 DATE AND PEOPLE RESPONSIBLE: 1985 - HTS, MMP.
 NO. OF COPIES: 1

Map Title	Scale	Drawing No.
Drainage & Reclamation Potential Classification - Sheet 1	1:10,000	1389/1
Drainage & Reclamation Potential Classification - Sheet 2	1:10,000	1389/2
Drainage & Reclamation Potential Classification - Sheet 3	1:10,000	1389/3
Drainage & Reclamation Potential Classification - Sheet 4	1:10,000	1389/4
Drainage & Reclamation Potential Classification - Sheet 5	1:10,000	1389/5
Drainage & Reclamation Potential Classification - Sheet 6	1:10,000	1389/6
Drainage & Reclamation Potential Classification - Sheet 7	1:10,000	1389/7
Drainage & Reclamation Potential Classification - Sheet 8	1:10,000	1389/8
Drainage & Reclamation Potential Classification - Sheet 9	1:10,000	1389/9
Drainage & Reclamation Potential Classification - Sheet 10	1:10,000	1389/10
Drainage & Reclamation Potential Classification - Sheet 11	1:10,000	1389/11
Drainage & Reclamation Potential Classification - Sheet 12	1:10,000	1389/12
Geomorphology and Soils - Sheet 13	1:50,000	1389/13
Shallow Groundwater Salinity - Sheet 14	1:50,000	1389/14
Soil Permeability - Sheet 15	1:50,000	1389/15
Surface Salinity (ECe) - Sheet 16	1:50,000	1389/16
Depth to Barrier - Sheet 17	1:50,000	1389/17

COUNTRY: ETHIOPIA
 PROJECT AND/OR Feasibility Study report. Angelele and Bolhamo
 ALBUM TITLE: Angelele and Bolhamo
 DATE AND PEOPLE RESPONSIBLE: 1975 HALCROW, HTS
 NO. OF COPIES: 1

Map Title:	Scale	Plate/Drawing No.
Bolhamo irrigation and road system		1
Angelele irrigation and road system		3
Dijilu irrigation and road system		5
Bolhamo primary and secondary canals		2
Angelele primary and secondary canals		4
Dijilu primary and secondary canals		6
Study Area developments		7
Typical arrangements of Bolhamo canal overpass and main drainage outlet		8
Bolhamo relift pump station		9
Typical details of primary canal syphon and road crossings		10
Typical measurements flume and details of Bilen spillweir		11
Bolhamo western wadis - location and section		12
Typical pump station layout		13
Typical canal check and offtake		14
Typical secondary canal check and offtake		15
Typical cross-sections of bridges, roads, drains and flood protection dykes		16
Typical settler village and block unit layout		17
Bolhamo western wadis - layout for spate diversion irrigation		18
Possible layout for proposed bridge between Amibara and Bolhamo		19

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

GUYANA (BRITISH GUIANA)
Survey of the Canje Reservoir Scheme (accomp. Report Volume II
Survey and Mapping)
1965 MMP
1

ALBUM No. 07 01 1 ✓

Map Title	Scale	Plate/Drawing No.
Map of Project Area and Index to Survey Plans		CJ201
Survey Plan of Project Area Sheets 1-12		CJ120-CJ131
Survey Plan of upper Canje Valley Sheets 1 and 2		CJ132, CJ133
Canje River longitudinal section and typical sections		CJ134
Canje River typical sections		CJ135
Cross-sections of upper Canje Valley Sheets 1-5		CJ136-CJ140
Section across upper Canje River and Ikuruwa River catchment		CJ141
Cross-sections of lower Canje River		CJ142
Berbice River		CJ143, 144
Torami Canal sections Sheets 1-3		CJ145-CJ147
Corentyne River		CJ148-149
Longitudinal and cross-sections for the proposed Essequito-Berbice Link Canal		CJ150
Proposed dam site-section along survey line H33		CJ151

COUNTRY GHANA
PROJECT AND/OR Accra Plains Irrigation Feasibility Study Vol. II
ALBUM TITLE: Accra Plains supply canals
DATE AND PEOPLE RESPONSIBLE: Kaiser Engineers and Constructors Ltd.
NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Soils		VI-1
Land use		VI-2
Accra Plains supply canals		1, 2, 3
Drainage system watershed, channels, discharge		4
Accra Plains - Main supply system design water requirements		6
Accra Plains - Irrigation supply system construction sequence		7
Canal C1 - Route plan		8-9
Canal C1 - Profile of water surface		10
Canal C1 - Intake		11
Canal C1 - Intake gate structure		12
Main Canals - Typical canal and flume cross-sections		13
Laterals, cross-sections and typical drop structures		14
Typical siphons		15
Typical Turnouts		16
Typical wasteway and checks		17
Typical cross-drainage structures		18, 19
Pumping plant 62P, 61P		20
Typical low head pump plant		21
Pumping plant 45P		21A
Pumping plant F10P		

Map Title	Scale	Plate/Drawing No.
Typical irrigation systems graded and level border methods		22
Typical irrigation systems graded contour furrow and ridge methods		23
Typical irrigation systems contoured level borders		24
Typical irrigation contour check method		25
Typical irrigation systems sprinkler method		26
Typical irrigation systems graded ridges or rows method		27
Typical irrigation systems cambered bed method		28
Typical irrigation systems contoured graded borders		29
Ho-Keta plains services area		30

COUNTRY: INDONESIA
 PROJECT AND/OR: Kali Progo Basin Study
 ALBUM TITLE:
 DATE AND PEOPLE RESPONSIBLE: 1971 MMP, HTS
 NO. OF COPIES: 3

ALBUM No. 09 01 1 ✓

Map Title	Scale	Plate/Drawing No.
Location map	1:2 000 000	1
Project Area	1:250 000	2
Mean annual rainfall	1:250 000	3
Climate	-	4
River systems	1:250 000	5
Geology	1:250 000	6
Groundwater reference map	1:250 000	7
Hydrogeology of Gunung Kidul	1:125 000	8
Soils	1:250 000	9
Land class	1:250 000	10
The soils of Gunung Kidul	1:250 000	11
Land class of Gunung Kidul	1:250 000	12
Land use	1:250 000	13
Existing irrigation systems	1:250 000	14
Admin. units	1:250 000	15
Population density 1969	1:250 000	16
Sawah utilisation	1:250 000	17
Paddy and upland rice production	1:250 000	18
Groundnuts and soya beans production	1:250 000	20
Maize and cassava production	1:250 000	21
Sugar, tobacco and rosella	1:250 000	22
Food production per head	1:250 000	23
Preliminary development plan	1:250 000	24

Map Title	Scale	Plate/Drawing No.
Kulon Progo Project - Kalibawang canal system	1:50 000	25
Kulon Progo Project - Pengasih and Papah canal system	1:50 000	26
Kulon Progo Project - Kalibawang canal longitudinal section	-	27
Kulon Progo Project - Depok canal long section	-	28
Kulon Progo Project - Sample minor canalisation layout	1:5 000	29
Typical structures - branch canals	-	30
Typical structures - minor canals	-	31
Mataram canal system - 1, 2	-	32, 33
Longitudinal section of Mataram canal 1, 2	-	34, 35
Mataram Complex - sample minor canalisation layout	-	36
Outline design of Karangtalun weir	-	37
Manggis canal system	-	38

COUNTRY: INDONESIA
 PROJECT AND/OR: Greater Yogyakarta
 ALBUM TITLE: Groundwater Resources
 (Volume 13; Maps and Drawings)
 DATE AND PEOPLE RESPONSIBLE: 1984 MMP, HTS, Binnies
 NO. of COPIES: 1

Map Title	Scale	Plate/Drawing No.
Yogyakarta Administrative Units	1:100 000	1
Gunung Kidul Administrative Units	1: 100 000	2
Borehole Locations Yogyakarta Basin	1:100 000	3
Borehole Locations Gunung Kidul	1:100 000	4
Spring Locations Yogyakarta Basin	1:100 000	5
Spring Locations Gunung Kidul	1:100 000	6
Geological Map of Yogyakarta Basin	1:100 000	7
Geological Cross Sections	1:100 000	8
Depth to Watertable Yogyakarta Basin Dry Season 1983	1:100 000	9
Piezometric Map Yogyakarta Basin Wet Season 1983	1:100 000	10
Piezometric Map Yogyakarta Basin Dry Season 1983	1:100 000	11
Piezometric Map Wonosari Formation Dry Season 1983	1:100 000	12
Semi Detailed Soil Survey Borehole and Pit Locations	1: 85 000	13
Semi Detailed Soil Survey Soils	1: 85 000	14
Semi Detailed Soil Survey Polowijo Land Classes	1: 85 000	15
Semi Detailed Soil Survey Rice Land Classes	1: 85 000	16
Semi Detailed Soil Survey Overhead Irrigation Land Classes	1: 85 000	17
Kali Progo and Sleman Irrigation Network	1:100 000	18
Main Irrigation Units and Annual Rice Intensities	1:100 000	19
Yogyakarta Basin Water Supply Summary	1:100 000	20
Gunung Kidul Water Supply Summary Present Situation	1:100 000	21
Gunung Kidul Proposed Development	1:100 000	22

*Added to
be 100000
7.*

COUNTRY
PROJECT AND/OR
ALBUM TITLE: INDONESIA
Greater Yogyakarta
Groundwater Resources
(Volume 13; Maps and Drawings)
1984 MMP, HTS, Binnies

DATE AND PEOPLE RESPONSIBLE:
NO. of COPIES: 1

Map Title	Scale	Plate/Drawing No.
Yogyakarta Basin: Administrative Units	1:100 000	1
Gunung Kidul Basin: Administrative Units	1:100 000	2
Yogyakarta Basin: Borehole and spring locations	1:100 000	3
Gunung Kidul: Borehole and spring locations	1:100 000	4
Yogyakarta Basin: Geology	1:100 000	5
Yogyakarta Basin: Geological Cross Sections	1:100 000	6
Yogyakarta Basin: Dry Season Depth to Watertable (1983)	1:100 000	7
Yogyakarta Basin: Wet Season Piezometry (1983)	1:100 000	8
Yogyakarta Basin: Dry Season Piezometry (1983)	1:100 000	9
Wonosari Formation: Dry Season Piezometry (1983)	1:100 000	10
Semi Detailed Soil Survey: Borehole and Pit Locations	1: 85 000	11
Semi Detailed Soil Survey: Soils	1: 85 000	12
Semi Detailed Soil Survey: Flooded Rice Land Classes	1: 85 000	13
Semi Detailed Soil Survey: Polowijo Land Classes	1: 85 000	14
Semi Detailed Soil Survey: Overhead Irrigation Land Classes	1: 85 000	15
Lower Kali Progo and Sleman: Irrigation Areas	1:100 000	16
Yogyakarta Basin: Present and Future Development	1:100 000	17
Gunung Kidul Present Development	1:100 000	18
Gunung Kidul Future Development	1:100 000	19

COUNTRY

IRAN

PROJECT AND/OR

Irrigation Projects Mazandaran

ALBUM TITLE:

ALBUM No. 09 03 1 ✓

DATE AND PEOPLE RESPONSIBLE:

1958 GIBB

NO. OF COPIES:

1

Map Title

Topographical maps

Soils

Land classification

Scale

1:50 000

1:50 000

1:50 000

Plate/Drawing No.

1, 1A, 2, 2A, 3-9
10, 10A

1, 1A, 2, 2A, 3-9
10, 10A

1, 1A, 2, 2A, 3-9
10, 10A

COUNTRY: IRAN
 PROJECT AND/OR: Lar Dam and Mazandaran Irrigation Project
 ALBUM TITLE:
 DATE AND PEOPLE RESPONSIBLE: 1970 GIBB
 NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Alignment of sections and distribution of wells and boreholes yielding lithological information	1:100 000	1
Lithological sections	-	2A, 2B, 2C
Water bearing zones Mazandaran	-	3
Water table contours and distribution of observation wells, shallow pumped wells, spring and qanats	1:100 000	4
Mazandaran - Piezometric contours and distribution of artesian wells	1:100 000	5
Mazandaran - Springs and qanats groundwater quality distribution	1:100 000	6A
Mazandaran - Zone 6 (upper) and fans domestic well level and groundwater quality distribution	1:100 000	6B
Mazandaran - Zone 5b and 6 (lower) deep and shallow pump levels and groundwater quality distribution	1:100 000	6C
Mazandaran - Zone 5a groundwater quality distribution	1:100 000	6D
Mazandaran - Artesian Zone 4 groundwater quality distribution and stratum contours	1:100 000	6E
Mazandaran - Artesian Zone 3 groundwater quality distribution and stratum contours	1:100 000	6F
Mazandaran - Artesian Zone 2 groundwater quality distribution and stratum contours	1:100 000	6G
Mazandaran - Artesian Zone 1 groundwater quality distribution and stratum contours	1:100 000	6H
Depth limits to saline water	1:100 000	7

COUNTRY JORDAN
PROJECT AND/OR Hydrogeological Survey of the Madaba-Maan Area
ALBUM TITLE: Album 1
DATE AND PEOPLE RESPONSIBLE: 1965 HTS and MMP
NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Key map	1:100 000	
Geological	1:100 000	
Cross sections	1:100 000	
Geological maps and structure contours: Ataruz	1:25 000	201/105
Geological maps and structure contours: Muleih		220/105
Geological maps and structure contours: Dhiban		215/090
Geological maps and structure contours: El Rhabba		215/075
Geological maps and structure contours: Qusur Rishan		230/075
Geological maps and structure contours: Kerak		215/060
Geological maps and structure contours: El Lajjun		230/060
Geological maps and structure contours: El Mazar		215/045
Geological maps and structure contours: Khirbat Mudeibi		230/045
Geological maps and structure contours: Laban		205/030
Geological maps and structure contours: El Aina		220/030

COUNTRY

PROJECT AND/OR

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE:

NO. OF COPIES:

JAVA - INDONESIA

Dinas Pekerjaan Umum Propinsi Dati I. Jawa Timur

Bidang Pengairan Deta Data Punchcard - Jawa Timur

1975 - MMP

1

ALBUM No. 10 02 1 ✓

Map Title

Topografi

Unit Pemerintahan and Pengairan

Kepadatan Penduduk

Banjir dan lahar

Geologi

Land use

Hujan

Bulan Kenarau

Banjir dan Lahar

Intensitas total

Intensitas Padi

Intensitas Polowijo

Intensitas Tebu

Produksi Padi

Produksi

East Java groundwater survey unit pengairan

Proyek

Prioritas Retabilitas

Scale

Plate/Drawing No.

- 1
- 2, 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

COUNTRY

JORDAN

ALBUM No. 10 01 1 ✓

PROJECT AND/OR

Hydrogeological Survey of the Madaba-Maan Area

ALBUM TITLE:

Album 1

DATE AND PEOPLE RESPONSIBLE:

1965 HTS and MMP

NO. OF COPIES:

1

Map Title

Scale

Plate/Drawing No.

Key map

1:100 000

Geological

1:100 000

Cross sections

1:100 000

Geological maps and structure contours: Ataruz

201/105

Geological maps and structure contours: Mulejh

220/105

Geological maps and structure contours: Dhiban

215/090

Geological maps and structure contours: El Rhabba

215/075

Geological maps and structure contours: Qusur Rishan

230/075

Geological maps and structure contours: Kerak

215/060

Geological maps and structure contours: El Lajjun

230/060

Geological maps and structure contours: El Mazar

215/045

Geological maps and structure contours: Khirbat Mudeibi

230/045

Geological maps and structure contours: Laban

205/030

Geological maps and structure contours: El Aina

220/030

COUNTRY KENYA
PROJECT AND/OR A Land System Atlas of Western Kenya
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE: 1971 - Christchurch
NO. OF COPIES: 3

ALBUM No. 11 01 11 ✓

Map Title

Aerial photographs
Land system map of Western Kenya Sheets 1 and 2

Scale

1:500 000

Plate/Drawing No.

KE1-KE144
GSGS Misc.
2246/1
2246/2

COUNTRY

LESOTHO

ALBUM No. 12 02 1 ✓

PROJECT AND/OR

Study on Water Resource Development - Volume 2 -

ALBUM TITLE:

Geology Book 1 of 3

DATE AND PEOPLE RESPONSIBLE:

1971 BINNIE

NO. OF COPIES:

1

Map Title

Scale

Plate/Drawing No.

Key plan to 1:50 000 geological maps

1:500 000

G1

Geological photos

-

G2

Geological map of Lesotho

1:250 000

G3

Contour map of present basalt/sandstone interface

1:250 000

G4

Contour map of present sandstone/clay-shale interface

1:250 000

G5

Contour map of present basalt/sandstone interface

1:250 000

G6

Geological sections

-

G7A-E

Epicentres of earthquakes in Southern Africa

-

G8

Isoseismals of some major earthquakes in Southern Africa

-

G9

COUNTRY LESOTHO ALBUM No. 12 02 2 ✓
PROJECT AND/OR Study on Water Resource Development - Volume 2 -
ALBUM TITLE: Geology Book 2 of 3
DATE AND PEOPLE RESPONSIBLE: 1971 BINNIE
NO. OF COPIES: 1

Map Title
Geological maps
Scale 1:50 000
Plate/Drawing No. G10-39

ALBUM No. 12 02 3 ✓

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

LESOTHO
Intentory Report Volume 2
Geology Book 3 of 3
1971 BINNIE
1

Map Title
Scale
Plate/Drawing No.

Geological maps

1:50 000

G40-G69

COUNTRY

LESOTHO

ALBUM No. 12 02 4 ✓

PROJECT AND/OR

Study on Water Resource Development - Inventory Report

ALBUM TITLE:

Volume 3 - Soils

DATE AND PEOPLE RESPONSIBLE:

1971 BINNIE

NO. OF COPIES:

1

Map Title

Lower Hlotse Survey Area

Scale

1:50 000

1:10 000

Plate/Drawing No.

1

2-13

Draft Inventory Report

ALBUM No. 1202 4A

COUNTRY LESOTHO
 PROJECT AND/OR Study on Water Resource Development. Volume 4 Irrigation
 ALBUM TITLE:
 DATE AND PEOPLE RESPONSIBLE: 1972 BINNIE
 NO. OF COPIES: 2

Map Title	Scale	Plate/Drawing No.
Location of areas mapped for irrigable land class	1:500 000	1
Irrigable land class map. Hololo-Qalo	1:20 000	2
Irrigable land class map. Mahobong	1:20 000	3
Irrigable land class map. Thaba Phats'oa-Khabos	1:20 000	4
Irrigable land class map. Leribe (Hlotse - Caledon)	1:20 000	5
Irrigable land class map. Phuthiatsana East - Thebe Teberg	1:20 000	6
Irrigable land class map. Phuthiatsana Central - Ph. west	1:20 000	7
Irrigable land class map. Little Caledon west - Tlametlu	1:20 000	8
Irrigable land class map. Little Caledon East	1:20 000	9
Irrigable land class map. Ts'a-Khoho	1:20 000	10
Irrigable land class map. Makhalleng-Maphutserg	1:20 000	11
Irrigable land class map. Mout Moorosi (Orange) - Mekaling	1:20 000	12
Irrigable land class map. Seaka-Tele (Orange) Silver Spring	1:20 000	13
Irrigable land class map. Border Rivers Irrigable land	1:50 000	14, 15, 16
Location of potential management units and dam sites considered	1:250 000	17
Various dam sites	1:50 000	18, 19
Possible layout for Little Caledon Management Unit		20

COUNTRY: MOZAMBIQUE
PROJECT AND/OR Elefantas River Project
ALBUM TITLE: Right Bank: Feasibility Study. Draft and Final
DATE AND PEOPLE RESPONSIBLE: July 1982 MMP
NO. OF COPIES: 1 Draft, 2 Copies

ALBUM No. 13 01 1

Map Title	Scale	Plate/Drawing No.
Project Location Sheet 1	1:50,000	1
Spot Heights Sheets 1 - 9	1:10,000	2 - 10
Orthophoto/Contours Sheets 1 - 9	1:10,000	11 - 19
Soil Maps Sheets 1 - 9	1:10,000	20 - 28
Land Suitability Maps Sheets 1 - 9	1:10,000	29 - 37
Vegetation Maps Sheets 1 - 4	1:20,000	38 - 41
Irrigation Layout Sheets A - G	1:10,000	42 - 48
Sample Field Layout Sheet 1	1:10,000	49
Conveyance System Sheets 1,2	-	50 - 51
Drain Longitudinal Sections Sheet 1	-	52
River Pump Stations : General Sheet 1	1:1,250	53
: Detailed Sheet 1	1:500	54
Sprinkler Pump Stations Sheet 1	1:500	55

A 01	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
• 01 01 1	AFGHANISTAN	Konar Valley	Topo Draft	1:50 000	511 D111
			Land Suitability	1:50 000	511 D11
			Landform/Soils	1:50 000	512A 111
			Topo (Russian Origins)	1:50 000	511 CIV
					511 C11
					512 A1
					511 D1
					511 B1V

Atlas Classification

01 02 ABU DHABI
 01 03 AUSTRALIA

B 02	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
02 01 1	BAHRAIN	Land use Survey 1977		1:10 000	75 94 76 104 84 86
02 01 2	BAHRAIN	Land use Survey 1977		1:10 000	46 65 54 66 55 74 64
02 01 3	BAHRAIN	Bahrain Main Island	Layout of Drainage	1:20 000	

TOPO
MAP

ENGLISH STUDY

PHOTO SURVEY

Atlas Classification

- ~~02 02~~ BRAZIL
- 02 03 1 BANGLADESH
 DETAILED SOIL MAP, THAKURGATON SAMPLE BLOCK
 DEEP TUBEWELLS PROJECT
 1" = 1 mile
- 02 04 BELIZE
 FEASIBILITY STUDY ON CAMEL MOHO AND TEMASH LANDS
 (S. WESTERN REPORT FOR C.D.C. 1986)
 1:100 000

C 03	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
03 01 1	CHILE	Mataquito	Vegetation, uso del Sueb y erosion Zonas Agroclimaticas principales	1:160 000 1:160 000	2 3
03 01 2	CHILE	Mataquito	Distribucion de zonas de Reigo Agrupacion Par Aptitud Agricola Distribucion de zonas de Reigo	1:160 000 1:160 000 1:160 000	4 5 6
03 01 3 P	CHILE	Aconagua	Agroclimatic zones	1:2 500 000	3-6
03 02 1 P	CYPRUS		Land Use	1:25 000	1 - 6
03 02 2 P	CYPRUS		Land Use	1:25 000	7 - 12
03 02 3 P	CYPRUS		Land Use	1:25 000	13 - 18
03 02 4 P	CYPRUS		Land Use	1:25 000	20, 22, 24
03 02 5 P	CYPRUS		Pasture Survey	1:50 000	1
03 02 6 P	CYPRUS		Pasture Survey		2, 3
03 02 7 P	CYPRUS		Pasture Survey		4, 5
03 02 8 P	CYPRUS		Pasture Survey		6, 7, 8
03 02 9 P	CYPRUS		Pasture Survey		9, 10, 11
03 02 10 P	CYPRUS		Pasture Survey		14, 15
03 02 11 P	CYPRUS		Pasture Survey	1:253 440	-
03 02 12 P	CYPRUS		Soils	1:25 000	44, 45
			Topo Detail	1:25 000	44, 45

Atlas Classification

- 03 03 CZECHOSLOVAKIA
- 03 04 COLUMBIA

E 05	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
05 01 1	EGYPT	Nile Delta	Topographic Reclamation Schemes	A2 A2	1 2
05 01 2 P	EGYPT	Geological Mapping	Geology S.E. Desert	1:500 000	1
—	EGYPT	SOUTH HUSSANIYA <i>(Plans sent to MUP No copies received)</i>			
05 02 1	ENGLAND	Liverpool Bay	Sediment Distribution	1:10 560	1 - 3
05 03 1	ETHIOPIA	Tigrai - Development Study - Hauzien Rural Development	Proposed Development Landforms & Soils Land Capability Present Land Use The Development Plan	1:250 000 1:50 000 1:50 000 1:50 000 1:50 000	1 2 3 4
05 03 2	ETHIOPIA	Tigrai - Makalle Rural Development	Present Land Use Potential Land Use Extension Areas & Potential Land Use Development Plan	1:50 000 1:50 000 1:50 000 1:50 000	3 4 5 6
05 03 3	ETHIOPIA	Tigrai - Hauzien Rural Development Tigrai - Senkata Rural Development	Land Capability Present Land Use Landforms and Soil	1:50 000 1:50 000 1:50 000	8 9 10

E 05 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
✓ 05 03 4	ETHIOPIA	Tigrai - Makalle Rural Development	Landforms and soils Land Capability	1:50 000 1:50 000	1 2
		Tigrai - Wikro Rural Development	Land Capability Present Land Use	1:50 000 1:50 000	14 15
✓ 05 03 5	ETHIOPIA	Tigrai - Makalle Rural Development	Present Land Use Potential Land Use	1:50 000 1:50 000	5 6
		Tigrai - Hauzien Rural Development	Landforms and Soils	1:50 000	7
✓ 05 03 6	ETHIOPIA	Tigrai - Makalle Rural Development	Landforms and Soils Land Capability	1:50 000 1:50 000	3 4
		Tigrai Tigrai	Landforms Land Suitability	1:250 000 1:250 000	1 2
✓ 05 03 7	ETHIOPIA	Tigrai - Senkata Rural Development	Land Capability Present Land Use	1:50 000 1:50 000	11 12
		Tigrai - Wikro Rural Development	Landforms and Soils	1:50 000	13
✓ 05 03 9 P	ETHIOPIA	Sidamo Area: Geology	Photogeology Geology	1:100 000 1:500 000	29 - 43 29 - 43
✓ 05 03 10 P	ETHIOPIA	Wollega Area: Geology	Photogeology Geology	1:100 000 1:500 000	19, 21, 24, 25 19, 21, 24, 25

F 06 COUNTRY PROJECT TYPE OF MAP SCALE SHEET No.

* 06 01 1 P FIJI Navua - Pre-Investment Study Soils
Development Plan 1:25 000 -
1:25 000 -

SHEET No.

SCALE

TYPE OF MAP

PROJECT

COUNTRY

G 07

GUYANA
BRITISH GIANA

07 01

GHANA

07 02

H 08

COUNTRY

PROJECT

TYPE OF MAP

SCALE

SHEET No.

08 01 1

HTS (ENGLAND)

Address Details

Neg. and Poss.

Large

I 09	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
✓ 09 01 1	INDONESIA	Nucleus Estates/Smallholders (Jambi)	Bajubang Block: Land Capability Development Plan A Development Plan B	1:50 000 1:50 000 1:50 000	111a 1Va Va
✓ 09 01 2	INDONESIA	Nucleus Estates/Smallholders (Jambi)	Senami Block: Land Use Soils and Terrain Land Capability Geology and Soils Reconnaissance	1:50 000 1:50 000 1:50 000 1:250 000	1b 11b 111b V1
✓ 09 01 3	INDONESIA	Nucleus Estates/Smallholders (Jambi)	Senami Block: Development Plan Strategy A & B Bajubang Block: Land Use Soils and Terrain Alue Iemerah: Land Capability Present Land Use Pelambang: Present Land Use Padang - Sidempuan: Present Land Use	1:50 000 1:50 000 1:50 000 1:50 000 1:50 000 1:50 000	1Vb 1a 11a
✓ 09 01 4	INDONESIA	Neusleus Estates/Smallholders	Alue Iemerah: Land Capability Present Land Use Pelambang: Present Land Use Padang - Sidempuan: Present Land Use	1:50 000 1:50 000 1:50 000 1:50 000	
✓ 09 01 5	INDONESIA	Nucleus Estates/Smallholders	Alue Iemerah: Soils and Terrain Project Plan Air Molek: Soils and Terrain Land Capability Present Land Use	1:50 000 1:50 000 1:50 000 1:50 000 1:50 000	
✓ 09 01 6	INDONESIA	Nucleus Estates/Smallholders	Danau: Present Land Use Cijaringao: Present Land Use Soils and Terrain Land Capability Air Molek: West and East Project Plan	1:50 000 1:50 000 1:50 000 1:50 000 1:50 000	

I 09 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
09 01 7	INDONESIA	Smallholders	Padang Sidempuan: Soils	1:50 000	3
			Land Capability	1:50 000	3
			Present Land Use	1:50 000	3 & 2
09 01 8	INDONESIA	Smallholders	Danau Salek: Soils and Terrain	1:50 000	-
			Land Capability	1:50 000	-
09 01 9	INDONESIA	Smallholders	Padang: Land Capability	1:50 000	1
			Land Capability	1:50 000	2
			Soils	1:50 000	1
			Soils	1:50 000	2
09 02 1	IVORY COAST	Blolekin - Zoukougbeu	Palembang: Project Plan	1:50 000	
			Land Capability	1:50 000	
			Soils and Terrain	1:50 000	
09 02 1	IVORY COAST	Blolekin - Zoukougbeu	Soils (Pedologie)	1:200 000	1A
			Land Use (Affectation actuelle des sols)	1:200 000	1B
			Zone de Doke: Soils (Pedologie)	1:20 000	2A
			Land Class (Vocation des sols)	1:20 000	2B

	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
1 09 Cont.					
✓ 09 02 2	IVORY COAST	Blolekin - Zoukougbeu	Zone de Guezon: Soils (Pedologie) Land Use (Vocation des sols)	1:20 000	3A
			Zone de Da/Diourou Zon: Soils (Pedologie) Land Use (Vocation des sols)	1:20 000	3B
✓ 09 02 3	IVORY COAST	Sodesucre - Ferkessedougou II	Soils	1:10 000	1 - 6
✓ 09 02 4	IVORY COAST	Sodesucre - Ferkessedougou II	Land Suitability	1:10 000	1 - 6
✓ 09 02 5	IVORY COAST	Sugar Cane Suitability	Land Class	1:20 000	
- 09 03 1 P	IRAN	Irrigation and Drainage System in Sistan	Land Classification	1:5 000	1 - 37
• 09 03 2 P	IRAN	Irrigation and Drainage System in Sistan	Soil Texture and Salinity Distribution	1:5 000	1 - 37
• 09 03 3 P	IRAN	Mazandarin Irrigation	Land Classification (Rice)	1:20 000	A2 - A4 B2 - B5 C1 - C4 D1 - D5
✓ 09 03 4 P	IRAN	Mazandarin Irrigation	Land Classification (Upland Crops)	1:20 000	A2 - A4 B2 - B5 C1 - C4 D1 - D5

Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
09 04 1 P	IRAQ	Diyala and Middle Tigris	Soil Survey Soil Survey	1:200 000 1:50 000	1, 3, 4, 7, 8 10-16
09 04 2 P	IRAQ	Diyala and Middle Tigris	Land Classification Land Classification	1:200 000 1:50 000	1, 3, 4, 6, 9, 11 14, 15, 16
09 04 3	IRAQ	FIVE STATE FARMS: SUWEIRA, HAWIJA, AL NAI, JUTE FARM, NAMAT SAAD.	LAND CLASS FOR SPRINKLER IRRIGATION	1:50,000	2 SHEETS
09 05 16	SUDAN	SOUTHERN DARFUR.	LAND USE ZONING	1:250,000	

J 10	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
10 01 P	JORDAN	Geological Mapping	Geology Series Cross Sections	1:100 000 1:100 000 1:25 000	1, 2
			Hydrogeology	1:100 000	2

Atlas Classification

10 02 JAVA

K 11	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
✓ 11 01 1	KENYA	Turkwell Gorge Multipurpose Project Soils Investigation	Soils Land Suitability	1:20 000 1:20 000	1 2
° 11 01 2 P	KENYA	Geological Mapping	Geology (NE Kenya)	1:100 000	8 sheets
° 11 01 3 P	KENYA	Serengeti			

SHEET No.

SCALE

TYPE OF MAP

PROJECT

COUNTRY

1, 2, 3, 4, 5

1:25 000

Land Classification

Bir El Ghnem Development

LIBYA

L 12

12 01 1 P

M 13	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
13 01 1 P	MALAYSIA	Jengka Triangle	Soil Survey Landforms Land Classification Master Plan	1:63 360 1:63 360 1:63 360 1:63 360	
13 01 2 P	MALAYSIA	Kuala Belait - Tutong	Soil Map	1:100 000	1
13 01 3 P	MALAYSIA	Kuala Lumpur	Various Land Class & Soils		
13 01 4 P	MALAYSIA	Tanjong Penggerang and Johore Tengah	Land Use Potential Terrain Classification	1:63 360 1:63 360	1, 2, 3, 4 1, 2, 3, 4
13 01 5 P	MALAYSIA	Tanjong Penggerang and Johore Tengah	Land Use Potential Terrain Classification	1:63 360 1:63 360	1, 2, 3, 4 1, 2, 3, 4
13 01 6 P	MALAYSIA	Tanjong Penggerang and Johore	Master Plan Project - Development Plan	1:63 360	2
			Soils	1:63 360	1
			Forest Production	1:63 360	1
13 01 7 P	MALAYSIA	Various Land Capability Maps Overlays			

M 13 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
13 02 1 P	MALAWI	Shire Valley	Elephant Marsh: Land Classification Soil Survey	1:50 000 1:50 000	1, 2 1, 2
13 02 2 P	MALAWI	Shire Valley	Preliminary Plot - Soils	1:50 000	1 - 16 18
13 02 3	MALAWI	National & Shire Irrigation Study			
13 02 4	"	ATLUMENDE PILOT SCHEME	SOILS LAND CLASS FOR IRRIGATION 1:5000		C1 C2
13 02 5	MALAWI	SALIMA LAKE SHORE PLANNING STUDY	BASE DETAIL INCORPORATED WITH BORDER DETAIL	1:50,000	1-12
13 03 1	MOZAMBIQUE				

COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
N 14				
✓ 14 01 1	NEPAL Katmandu Valley	Land Use	1:20 000	1 - 4
14 01 2	NEPAL Katmandu Valley	Administrative Units Land Use	1:18 300 1:18 300	1 - 4 1 - 2
14 01 3	NEPAL 14 01 4	S REPORT FIGURES K	-	-
• 14 02 1	NIGERIA Chad Basin Development	Gongola State	1:1 000 000 1:500 000 1:1 000 000	4 sheets
• 14 02 2	NIGERIA Donga River	Soil Survey Sits Landforms and Soils Land Suitability Topo Base	1:50 000 1:50 000 1:50 000 1:50 000	1(N) & 1(S) 2 (N & S) 3 (N & S) (N & S)
✓ 14 02 3	NIGERIA Taraba Valley Soil Survey	Physiographic Analysis and Capability Rating	1:50 000	1 & 2
• 14 02 4	NIGERIA Upper Benue Development	Phase I Gongola Basin Possible Development Areas Map B Area 1 Map C Area 3 Map D Area 4 Map E Area 5 Map F Area 6 Map G Area 7 Map H Area 9	1:50 000 1:16 000 1:50 000 1:50 000 1:50 000 1:50 000 1:50 000 1:50 000	1 1 2 2 3 3 3 3

N 14 Cont. COUNTRY PROJECT TYPE OF MAP SCALE SHEET No.

Soils Relationships in the
 Maharunga Basin. Section y¹ - Y
 Section X - x¹
 Fig. 3.3
 Fig. 3.2

✓ 14 02 5 P NIGERIA Kaduna Kaduna Hydrogeology Enclosure 1 1:500 000
 ✓ 14 02 6 P NIGERIA River Yedserem Reservoir Land Class
 14 02 7 P NIGERIA NIPAD VEGETATION AND LAND USE 1:250,000 1 - 69

• 14 03 1 NIGER Dallol Maouri
 Soils Reconnaissance 1:2 000 000 1
 Soils Reconnaissance 1:2 000 000 2
 Soils - Gueze & Lagere 1:25 000 3
 Soils - North Gaya 1:25 000 18
 Soils Dallol Tuil 1:25 000 20

SHEET No.

SCALE

TYPE OF MAP

PROJECT

COUNTRY

0 15

1:316 8

Original Base Map

OCEAN ISLANDS
CENTRAL PACIFIC

15 01 1

0 15	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
15 02 1 A } 1 B }	OMAN	Soils/Groundwater Buraimi	Flyleaf/Contents Prescreening Topo Base (Film)	1:1M 1:100 000 1: 2 000	HTS HTS HEL 1 to 2 1 to 12
15 02 2	OMAN	Buraimi	Mosaic Film Base	1: 10 000	HEL 1 to 19
15 02 3	OMAN	Buraimi	Soils	1: 10 000	1 to 19
15 02 4	OMAN	Buraimi	Soils/Land Class	1: 2 000	1 to 6
15 02 5	OMAN	Buraimi	Soils/Land Class	1: 2 000	7 to 12
15 02 6	OMAN	Kamil-Wafi Soils-Groundwater	Flyleaf/Contents A3 Diagrams	1:1M	
15 02 7	OMAN	Kamil-Wafi	Topo Base	1: 2 000	at HEL 1 to 10
15 02 8	OMAN	Kamil-Wafi	Soils/Landclass	1: 2 000	1 to 10
15 02 9	OMAN	Wadi Quyirat Soils-Groundwater	Flyleaf/Contents	1:1M	HTS
15 02 10	OMAN	Wadi Quyirat	Topo Base	1: 2 000	at HEL 1 to 17
15 02 11 a 15 02 11 b	OMAN	Wadi Quyirat	Land Suitability Soils/Landclass	1: 2 000 1: 2 000	1 to 17 1 to 17
15 02 12	OMAN	Wadi Quyirat	Reconnaissance Study - Soils	1: 10 000	HTS 1 to 10
15 02 13	OMAN	Wadi Quyirat	Reconnaissance Study - Soils	1: 10 000	HTS 11 to 23
15 02 14	OMAN	Wadi Quyirat	Reconnaissance Study Mosaic base - no detail Reconnaissance Study Mosaic base - no detail Reconnaissance Study	1: 10 000 1: 10 000 1: 10 000	at HEL 1 to 10 1 to 10 11 to 23

P 16	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
16 01 1 P	PAKISTAN	Lower Indus - Gudu Command	Lithology and Groundwater Salinity Land Use Survey Geomorphic Associations Upper Soil Salinity	1:253 440 1:253 440 1:253 440 1:253 440	
		Lower Indus - Ghulam Command	Lithology and Groundwater Salinity Geomorphic Associations Topographic Detail Land Use Survey	1:254 440 1:253 440 1:253 440 1:253 440	
✓ 16 01 2 P	PAKISTAN	Lower Indus - Gudu Command	Land Use Survey Lithology and Groundwater Salinity Upper Soil Salinity Geomorphic Associations Topographic Detail	1:253 440 1:253 440 1:253 440 1:253 440 1:253 440	
		Lower Indus - Ghulam Command	Land Use Survey Lithology and Groundwater Salinity Geomorphic Associations Topographic Detail	1:253 440 1:253 440 1:253 440 1:253 440	
		Lower Indus - Alburn	Topography Population Density Monthly Evaporation, Cloud Cover, Wind	1:1 900 800 1:750 000	
			Annual Evaporation Rainfall Farming Zones Monthly Temperatures Humidity Dew Points Monthly Rainfall Hydro-Isobaths	1:750 000	

Map 2 LOCATION IN DUS REGION
(RE-DRAWN SELECTED DATA FOR
MMP REPORT AT JULY 1985)

P 16 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
16 01 4 P	PAKISTAN	Lower Indus - Sukkur Command (North)	Lithology and Groundwater Salinity	1:253 440	
		Sukkur Command (South)	Upper Soil Salinity	1:253 440	
			Geomorphic Associations	1:253 440	
			Land Use Survey	1:253 440	
			Topographic Detail	1:253 440	
• 16 01 5 P	PAKISTAN	Lower Indus - Sukkur Command (North)	Lithology and Groundwater Salinity	1:253 440	
			Land Use Survey	1:253 440	
			Topographic Detail	1:253 440	
			Geomorphic Associations	1:253 440	
			Upper Soil Salinity	1:253 440	
		Sukkur Command (South)	Geomorphic Associations	1:253 440	
			Land Use Survey	1:253 440	
			Water Soil Salinity	1:253 440	
			Topographic Detail	1:253 440	
• 16 01 6 P	PAKISTAN	Lower Indus - Sukkur Command (South)	Land Use Survey	1:253 440	
			Geomorphic Associations	1:253 440	
		Lower Indus - Sukkur Command (North)	Land Use Survey	1:253 440	
			Geomorphic Associations	1:253 440	
• 16 01 7 P	PAKISTAN	Sukkur and Gudu Drainage and Salinity Control	Khairpur Command - Soils	1:126 720	1
			Khairpur Command - Drainability	1:126 720	2
			Khairpur Command - Groundwater and Soil Salinity	1:126 720	3
			Khairpur Command - Depth to Sand Layer	1:126 720	
			Khairpur Drainage Report - Drainage Layouts	1:126 720	
			Sukkur - Gudu Right Bank Command	1:253 440	
			Khairpur Command - Groundwater and Soil Salinity	1:126 720	

P 16 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
16 01 5 P	PAKISTAN	Lower Indus Sukkur Command (South)	Geomorphic Associations Land Use Survey Water Soil Salinity Topographic Detail	1:253 440	
16 01 6 P	PAKISTAN	Lower Indus - Sukkur Command	Land Use Survey Geomorphic Associations	1:253 440	
16 01 7 P	PAKISTAN	Lower Indus - Sukkur Command (North)	Land Use Survey Geomorphic Associations	1:253 440 1:253 440	
		Sukkur and Gudu Drainage and Salinity Control	Khairpur Command - Soils Khairpur Command - Drainability Khairpur Command - Groundwater and Soil Salinity Khairpur Command - Depth to Sand Layer Khairpur Drainage Report - Drainage Layouts	1:126 720 1:126 720 1:126 720 1:126 720 1:126 720	1 2 3
16 01 10	PAKISTAN	Sukkur - Gudu Drainage and Salinity	Sukkur - Gudu Right Bank Command Khairpur Command - Groundwater and Soil Salinity	1:126 720 1:126 720	1
16 01 11	PAKISTAN	Sukkur - Gudu Drainage and Salinity	Gaja Area Groundwater Gaja Area : Drainability Topsoil Subsoil Water Table Groundwater Drainability Topsoil Integrated Soil and Land Use		1 2 3 4 5 35 M1 35 M5

Q 17

COUNTRY

PROJECT

TYPE OF MAP

SCALE

SHEET No.

S No.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
S 19	SIERRA LEONE		Cattle Distribution	1:50 000	1
19 01 1	SIERRA LEONE				
19 02 1	SOLOMON ISLANDS	New Georgia Development	Land Suitability for Rubber/Oil Palm	1:50 000	1
19 03 1	SOMALIA	Inter Riverine Agricultural Study	Soils/Land Suitability Rainfed and Rangeland Rainfed and Rangeland Irrigated Soil and Land Suitability Irrigated Soil and Land Suitability Development Schemes Development Schemes Topo Base	1:500 000 1:500 000 1:500 000 1:500 000 1:500 000	1a 1b 2a 2b 3a 3b
19 03 2	SOMALIA	Janaale	Soils Land Suitability Survey Sites	1:50 000 1:50 000 1:50 000	1a 1b 1c

S 19 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
• 19 03 2 Cont.		Janaale	Soils Land Suitability Survey Sites	1:25 000 1:25 000 1:25 000	2a 2b 2c
		Dujuma	Soil Survey Sites Soils and Land Class	1:50 000 1:50 000	
• 19 03 3	SOMALIA	Livestock Sector Review	Hydrogeology Soils Sheep Abattoir Plan	1:2 000 000 1:2 000 000	
✓ 19 03 4	SOMALIA	Fanoole Settlement Project Phase I	Land Suitability Soils	1:50 000 1:50 000	2 1
• 19 03 5	SOMALIA	Homboy	Irrigation (Brownlines)	1:10 000 1:25 000	1-8 1
• 19 03 6	SOMALIA	Homboy	Land Suitability Soils	1:20 000 1:20,000	1 & 2 1 & 2
• 19 03 7 P	SOMALIA	Central Somalia Geology	Geology	1:30 000	1-13
• 19 03 8 P	SOMALIA	Central Somalia Geology	Geology	1:30 000	14-26
• 19 03 9 P	SOMALIA	Central Somalia Geology	Geology	1:30 000	27-39
19 03 10	SOMALIA	RAY GLEASON soil project	terrestrial vegetation water potential		
19 03 11	SOMALIA	FARJANO	NATURAL VEGETATION / LAND USE SOILS / LANDFORMS LAND SUITABILITY FOR RAINFED AGRICULTURE OF THE PHOTO	1:25,000 1:10,000	2 3 4 10
19 03 12	SOMALIA	MORAMBO			

19.05.40

SUDAN

JABEL MARRAH RURAL
DEVELOPMENT STUDY

LAND USE
PLANNING
UNITS.

1:259000

2 Sheets
North &
South
1995.

by Abd Munir
Yasir al-Jisri.

1906 5

SUMATRA

Lampung Water Resources

- Soil Survey Sites 1:50 000
- Soils and Land Types 1:50 000
- Bekri:
 - Soils and Land Types 1:50 000
 - Soil Survey Sites 1:50 000
 - Land Use 1:50 000
 - Rice Irrigation Land Capability 1:50 000
- Way Kandis:
 - Soil Survey Sites 1:50 000
 - Rice Irrigation Land Capability 1:50 000
 - Soils and Land Types 1:50 000
 - Land Use 1:50 000

S	19 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
✓	19 06 5 Cont.			Rumbia: Land Use Soils and Land Types Rice Irrigation Land Capability Soil Survey Sites Sek Ampung: Rice Irrigation Land Capability	1:50 000 1:50 000 1:50 000 1:50 000 1:50 000	
	<u>19 06 6</u>	SUMATRA	Lampung Water Resources	MB/Topo Base	1:50 000	
•	19 07 1 P	SCOTLAND	Land Capability and Soils	Land Capability Soils	1:25 000 1:25 000	
•	19 08 1 P	REPUBLIC OF SOUTH AFRICA		Photogeological Surveys	1:100 000	3027C 3027D 3027B 3027A 3127C 2927C 3028C 3127B 3128A 3127D

S 19 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
1908 2P	REPUBLIC OF SOUTH AFRICA		Photogeological Surveys	1:100 000	3128C 3128D 3129C 3129D 3227A 3227B 3228A 3228B 3229A 3227C 3227D 3228C 3328D 3327A 3327B 3327C 3128C 3129C 3228A 3227D 3228D

1909 1P	SWAZILAND	Water Resources Development: Imbuluzi Basin	Land Classification Land Classification Irrigation and Land Suitability	1:50 000 1:10 000 1:50 000	2A
1909 2	SWAZILAND	- NGWENPISI	Proposed Development Plan Land Use, Settlement and Land Classification Present (1986) situation	1:25000 1:25000	1 2

1910 1 SAUDI ARABIA
1910 2P SAUDI ARABIA
1910 2P SAUDI ARABIA

1911 01 SEYCHELLES
RE-AFFORESTATION OF BRACKEN
LA DIQUE + CURIEUSE.
SOILS + SOIL CREATION 1:20,000 1

T 20	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
<u>2001 1</u>	THAILAND	Pak Chan Settlement	Soils Land Capability Development Blocks	1:10 000 1:10 000 1:10 000	1 2 3
<u>2001 2</u>	THAILAND	Regional Planning Study	1 Physical Plan 2 Soils 3 Soils 4 Land Use	1:1 000 000 1:250 000 1:250 000 1:250 000	- 1 2 4
<u>2001 3</u>	THAILAND	Regional Planning Study	7 8 9 10 Land Use 4 5 6 Soils	1:250 000 1:250 000	1,2,3,5 3,4,5
<u>2001 4</u>	THAILAND	Yom Basin	Hydrogeology Geophysics Study Area: Detailed Land Class Detailed Soils Sukhothai Area (C): Soils	1:250 000 1:100 000 1:25 000 1:25 000 1:50 000	4 5,6,7,8 11 10 5
No 3,4					
<u>2001 5</u>	THAILAND	Yom Basin	Sukhothai Area (N): Groundwater Phrae Area: Land Class Soils Sukhothai Area (N): Soils Sukhothai Area (S): Soils	1:50 000 1:50 000 1:50 000 1:50 000 1:50 000 1:50 000	1 3 2 4 5 6

T 20 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
✓ 2001 6	THAILAND	Yom Basin	Sukhothai Area (N): Land Class Sukhothai Area (C): Land Class Sukhothai Area (S): Land Class Study Area: Soils Phakhor Area: Land Assessment	1:50 000 1:50 000 1:50 000 1:25 000 1:50 000	7 8 9 10 12
✓ 2001 7	THAILAND	Yom Basin - Album	1, 2 Location 3, 4 Sukhothai Land Use 5, 6 Phrae Land Use 7, 8 Sukhothai Groundwater 9, 10 Phrae Groundwater	✓ 1:1 000 000 1:50 000 1:100 000 1:50 000 1:50 000	1 Blue & Black 3 Blue & Black 4 Blue & Black 5 Blue & Black 6 Blue & Black
✓ 2001 8	THAILAND	Yom Basin Feasibility Study	4 Location Map 4 Isohyetal Map 4 Project Area 3 Irrigation Layout Sukhothai Area 3 Irrigation Layout Phrae Area	1:10 000 000 Fig. 1 1:2 000 000 1:1 000 000 1:250 000 1:250 000	2 3 2 8 7
			2 Hual Sak Dam General Details 2 Pha Khor Dam General Details 1 Geological Map 1 Land Capability Map Phrae Area 1 Land Capability Map Sukhothai Area	1:2 000 1:2 000 1:1 000 000 1:250 000 1:250 000	10 9 4 5 6

Atlas Classification

- 20 02 TANZANIA (TANGANYIKA)
- 20 03 TRUCIAL STATES

U 21 COUNTRY PROJECT TYPE OF MAP SCALE SHEET No.

21 01 1 UNITED ARAB Wadi Hadf Water Resources Geology 1:20 000 EMIRATES

21 01 2 UNITED KINGDOM D.O.E/COUNTRYSIDE COMM. LANDSCAPE CHANGE ? 1 SITE LOCATIONS ALL ENGLAND + WALES.

Y25 COUNTRY PROJECT TYPE OF MAP SCALE SHEET No.

✓ 25 01 1 YEMEN Marib Dam Soils/Land Class 1:50 000 1
Soils/Land Class 1:10 000 1
Soils/Land Class 1:10 000 2
Soils/Land Class 1:10 000 3

25 01 2 " Wadi Tuban 1:50,000 1
" Abyan 1:50,000 1

Z26	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
25 01 1	BURUNDI	URUHO VALLEY (MAPS INTERPRETATION)	LAND USE CLASSIFICATION	1:50 000	
26 02 1	ZIMBABWE	SMALL SCALE IRRIGATION SCHEMES VOL. V.	MAPS, PLANS AND PHOTOGRAPHS (Note: Most of photographs are with GKW - Frankfurt)	VARIOUS	

SHEET No.

SCALE

TYPE OF MAP

PROJECT

COUNTRY

*Manual Planimeter Charts
Negatives*

1:20000
{ 10000
 50000
{ 250000

ADDITIONAL MEASUREMENT OVERLAYS

27 01

COUNTRY: MALAWI
PROJECT AND/OR ALBUM TITLE: Irrigation Study Phase II Feasibility Studies
DATE AND PEOPLE RESPONSIBLE: 1986 - HTS, MMP.

ALBUM No. 13 0z 1

Map Titles	Scale	Drawing No.
Scheme Layout		
- Lufira	1:5,000	D.1
- Wowwe	1:5,000	D.2
- Hara	1:5,000	D.3
- Limphasa	1:5,000	D.4
- Bua	1:5,000	D.5
- Mpamantha	1:5,000	D.6
- Domasi	1:5,000	D.8
- Khanda	1:5,000	D.9
- Njala Complex	1:5,000	D.10
- Likangala	1:5,000	D.11
- Nkhate	1:5,000	D.12
- Kasinthula	1:5,000	D.13
- Muona	1:5,000	D.14
Alumenda Pilot Scheme		
- Contour Survey	1:5,000	15
- Land Classification Map	1:5,000	16
- Irrigation and Drainage Layout	1:5,000	17
- Pump Station	1:5,000	18
- Typical Details of Distributary Canal Head Regulator and Outlet from Delivery Pipeline	1:5,000	19
- Typical Details of Tertiary Canal Head Regulator and Distributary Canal Tail Escape	1:5,000	20
- Typical Drain Structures	1:5,000	21
- Typical Channel Cross Sections and Other Details	1:5,000	22

COUNTRY

NIGERIA

ALBUM No. 14 02 1 ✓

PROJECT AND/OR

Upper Benue River Basin Development Authority:

ALBUM TITLE:

Mayo Ine irrigation project prefeasibility study final reports.

DATE AND PEOPLE RESPONSIBLE:

1978 WARD, ASHCROFT

NO. OF COPIES:

1

Map Title

Scale

Plate/Drawing No.

Soils

1

Land class

2

Land suitability

3

Key plan to Project Area layout Sheet

4

Project Area layout - Sheets 1-7

5-11

12 Tertiary canal cross regulator and final channel outlet

12

13 Typical canal head regulator

13

14 Typical cross regulator

14

15 Main canal headworks

15

16 Ngurure weir canal arrangement

16

17 Ngurure - Pumping station general arrangement

17

18 Mayo Ine Dam

18

COUNTRY: NIGERIA
PROJECT AND/OR Land resources of Central Nigeria
ALBUM TITLE: Agricultural development possibilities. Volume 7.
DATE AND PEOPLE RESPONSIBLE: 1981, LRD (ODA)
NO. OF COPIES:

ALBUM No. 14 02 2

An Atlas of resource maps at 1:500,000

Post - 1976 administrative boundaries
Rainfall distribution
Relief
Drainage basins
Physiographic units
Soils
Vegetation zones
Ethnic distribution
Present land use
Present farming system

Trek routes and dry-season grazing
Crop options
Agricultural development possibilities - integrated agriculture
Agricultural development possibilities - mechanised farming
Agricultural development possibilities - traditional grazing
Agricultural development possibilities - grazing reserves
Agricultural development possibilities - cattle ranches and dairy farming
Agricultural development possibilities - production forestry
Agricultural development possibilities - protection forestry and
minesland reclamation

ALBUM No. 16 01 1 ✓

COUNTRY PAKISTAN - WEST
PROJECT AND/OR Sukkur-Gudu-Ghulam Mohammed - Drainage and Salinity
ALBUM TITLE: Control Project (accomp. Sukkur-Gudu Right Bank Command Project)
DATE AND PEOPLE RESPONSIBLE: 1962 HTS, MMP
NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Layout plans - Gudu drain layout		1
Layout plans - Sukkur drain layout		2
Longitudinal sections - Nara Valley outfall drain - Sheets 1-7		3-9
Cross-sections Nara Valley outfall drain		10
I Drainability map		34P, 39D, 39H, 35M, 40A, 35N.
II Topsoil texture		34P, 39D, 39H, 35M, 40A, 35N
III Watertable		SG (RB)
IV Groundwater salinity		SG (RB)
Topsoil salinity		34P, 39D, 39H. 35M, 40A, 35N

COUNTRY PAKISTAN - WEST
 PROJECT AND/OR Sukkur-Guan-Ghulam Mohammed Drainage and Salinity Control Project
 ALBUM TITLE: (accomp. Ghulan Lohammed Barrage Command Report)
 DATE AND PEOPLE RESPONSIBLE: 1961 HTS, MMP
 NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Layout plans	1/2" to 1 mile	1
Drainage layout		2
Outfall drains layout Left Bank		3
Outfall drains layout Right Bank		
Project Maps:		
Tando Bago Perennial Area	1:40 000	4,9
Thatta Branch Drain	1:40 000	10
Gaja Command Area	1:40 000	11
Nagar Outfall Drain	-	12
Karo Gungro Outfall Drain - Sheets 1, 2	-	13, 14
Fuleli Guni Outfall and Main Drain	-	15
Tando Bago Drainage and Kadhar Pateji Outfall Drain	-	16
Western Mir Main Drain	-	17
Tardo Bago Drainage Bahadur-Shadi Branch Drain	-	18
Tardo Bago Drainage Tando Bago Main and Branch Drains	-	19
Tardo Bago Drainage Lowari Branch Drain	-	20
Jau-Sakro Outfall Drain	-	21
Ghorabari	-	22
Thatta Branch Drain	-	23

ALBUM No. 1601 2 (Cont'd)

Map Title	Scale	Plate/Drawing No.
Ghulam Mohammed: I Drainability	1:40 000	
Ghulam Mohammed: II Topsoil texture	1:40 000	
Ghulam Mohammed: III Subsoil texture	1:40 000	
Ghulam Mohammed: IV Groundwater salinity	1:40 000	
Ghulam Mohammed: V Topsoil salinity	1:40 000	
Tando Bago: I Drainability	1:126 720	
Tando Bago: II Topsoil texture	1:126 720	
Tando Bago: III Subsoil texture	1:126 720	
Tando Bago: IV Groundwater salinity	1:126 720	
Tando Bago: V Topsoil salinity	1:126 720	

COUNTRY

PAKISTAN WEST

ALBUM No. 16 01 3 ✓

PROJECT AND/OR

Sukkur -Gudu - Ghulam Mohammed

ALBUM TITLE:

Drainability and Salinity Control Project (accomp. Gaja Perennial Area Report)

DATE AND PEOPLE RESPONSIBLE:

1861 - HTS, MMP

NO. OF COPIES:

1

Map Title	Scale	Plate/Drawing No.
Layout map - proposed groundwater drainage layout	1:40 000	1
Longitudinal sections	-	2
Karo Gungro branch drain RD 0-114	-	3
Karo Gungro branch drain RD 114-152 Bulri and Gungro sub-drains	-	4
Mulla Katiar, Wassi, Hiran and Ummad Ali sub-drains	-	5
Diwar, Saidpur, Dodo and Dhardi sub-drains	-	6
Guni Brardi drain and Adaim sub-drain	-	7
Jalani and Guni sub-drains and Jalani I-L	-	8, 9
Bridge culvert and canal underpass Sheets 1 and 2	-	10
Village bridge and culvert	-	11, 12
Type aqueduct Sheets 1 and 2	-	13
Surface water inlet and type sections		
I Drainability	1:126 720	
II Subsoil texture	1:126 720	
III Topsoil texture	1:126 720	
IV Watertable	1:126 720	
V Groundwater salinity	1:126 720	
VI Topsoil salinity	1:126 720	

COUNTRY PAKISTAN - WEST
 PROJECT AND/OR Sukkur Gudu (accomp. Khairpur Command Report)
 ALBUM TITLE:
 DATE AND PEOPLE RESPONSIBLE: 1961 - HTS, MMP
 NO. OF COPIES: 1

ALBUM No. 16 01 4 ✓

Map Title	Scale	Plate/Drawing No.
Layout - drainage layout watertable and saline soils	2'' to 1 mile	S50
Layout - drainage layout Sheets 1-8		S51-S58
Longitudinal sections		
High level outfall		
Central main drain and Gambat branch drain		S59
Pir Jo Gotu, Pirmarjio, western and Mahesar		S60
Western Rohri and Ali Bahar East branch drains		S61
Eastern Rohri main drain		S62
Mir drain system, main and branch drains		S63
Type structures		S64
Bridge culvert and canal underpass		S65, S66
Village bridge and pipe culvert		S67
Type aqueduct		S68, S69
Surface water inlets and type sections		S70
1. Soils		
2. Drainability		
3. Groundwater and soil salinity		
4. Depth to sand layer	1:126 720	

COUNTRY

PAKISTAN

ALBUM No. 16 01 6 ✓

PROJECT AND/OR

Report on Investigations into Irrigating Tea in Sylhet and Chittagong districts
(accomp. Report Volume IV. The Development of Water Resources)

ALBUM TITLE:

1967 - MMP, HTS

DATE AND PEOPLE RESPONSIBLE:

1

NO. OF COPIES:

Map Title

Scale

Plate/Drawing No.

Location of Tea Estates in Sylhet District

1-GP3

Location of Tea Estates in Chittagong District

2-EP4

Various storage reservoirs

3-20 GP5,EP7-EP23

Madabpore Tea Estate - remedial work to existing dam Sheets 1 and 2

23-37 EP26-EP40

Deanston division (Poteacherra) - specimen irrigation layout - Alternative 1-4

21,22 EP24, EP25

Patrakhola Tea Estate - irrigation layout - Alternative 1-3

38-41, EP6

Jafflang Tea Estate - irrigation layout - Alternative 1-4

42-44, EP1

Type designs

45-48, EP2

49-53, EP41-EP56

COUNTRY: PAKISTAN - WEST
 PROJECT AND/OR: Lower Indus Report
 ALBUM TITLE:
 DATE AND PEOPLE RESPONSIBLE: 1966 - HTS, MMP
 NO. OF COPIES: 3

ALBUM No. 16 017 ✓

Map Title	Scale	Plate/Drawing No.
West Pakistan	1:1 900 000	1
Lower Indus Region	1:750 000	2
Mean annual rainfall and annual evaporation	1:1 000 000	3
Monthly evaporation, cloud cover and wind	-	4
Monthly rainfall with probabilities	-	5
Mean monthly temperatures, relative humidity and dew point	-	6
Physiography	1:750 000	7
Surface contours	1:750 000	8
Geomorphic Association	1:40 000	9
Upper soil salinity	1:750 000	10
Upper soil salinity - detail	-	11
Hydro-Isobaths April 1964 - Sept. 1964	1:750 000	12, 13
Watertable contours April 1964 - Sept. 1964	1:750 000	14, 15
Hydro-Isobaths and watertable contours 1964	-	16
River Indus	1:500 000	17
Groundwater salinity	1:750 000	18
Groundwater salinity and depths	1:1 500 000	19
Administrative units (civil)	1:750 000	20
Population distribution	1:750 000	21
Population density 1961	1:750 000	22
Population density and change 1931-1961	-	23
Land use 1964	1:750 000	24
Crop distribution: Rice, wheat, cotton peas and pulses, orchards, sugar cane, cluster beans, millet, sorghum, maize, grain and oil seeds	1:750 000	25-29

1:1 500 000 x 1:1 500 000

ALBUM No. 16 01 7 (Cont'd)

Map Title	Scale	Plate/Drawing No.
Cropping intensities Rabi 1963/4	1:750 000	30
Kharif 1964	1:750 000	31
Annual 1963/4	1:750 000	32
Cropping and farming intensities	1:750 000	33
Inundation system	1:750 000	34
Administrative units (irrigation)	1:750 000	35
Water use Rabi 1963/4	1:750 000	36
Water use Kharif 1964	1:750 000	37
Minor canal study - perennial area	1:750 000	39
Minor canal study - non-perennial area	1:750 000	40, 41
Watercourse study	1:750 000	42
Farming zones 1965	1:750 000	43
Proposed development	1:750 000	44
Preliminary irrigation and drainage layout	1:750 000	45
Preliminary irrigation layout	1:750 000	46
Preliminary drainage layout	1:750 000	47

COUNTRY

PAKISTAN - WEST

PROJECT AND/OR

Left Bank Outfall Drain - Project Planning Report

ALBUM TITLE:

ALBUM No. 16 01 9 ✓

DATE AND PEOPLE RESPONSIBLE:

1969 - HTS, MMP

NO. OF COPIES:

1

Map Title

Scale

Plate/Drawing No.

- | | | |
|------|------------------------------------|------|
| 1 | Location maps | 1 |
| 2 | Left bank outfall drain system | 2 |
| 3-26 | Longitudinal section and alignment | 3-26 |
| 27 | Typical cross sections | 27 |
| 28 | Typical district road bridge | 28 |
| 29 | Typical village road bridge | 29 |
| 30 | Typical foot bridge | 30 |
| 31 | Typical aqueduct | 31 |
| 32 | Typical inlet pump station | 32 |
| 33 | Sehwan feeder crossing | 33 |
| 34 | Typical drain junction | 34 |
| 35 | Typical storm water inlet | 35 |

COUNTRY: PAKISTAN - WEST
PROJECT AND/OR ALBUM TITLE: Sehwan Barrage Complex
DATE AND PEOPLE RESPONSIBLE: 1968 - HTS, MMP.
NO. OF COPIES: 1

Map Titles

COUNTRY: PAKISTAN - WEST
PROJECT AND/OR Left Bank Outfall Drain - Stage I Project Preparation
ALBUM TITLE: Album I. Soil and Land Classification
DATE AND PEOPLE RESPONSIBLE: 1983 - MMP/HTS
NO. OF COPIES 1

ALBUM 16-01-9A

Map Title	Scale	Plate/Drawing No.
Location Map	1:500,000	1
Soil Parent Materials Sheets 1 - 6	1:100,000	2 - 7
Land Classification Sheets 1 - 16	1:50,000	8 - 23
Mirpurkhas Detailed Study Area	1:7,500	
- Land Classification		24
- Soils and Soil Salinity		25
- Observation Sites and Watertable Depth		26
- Hydraulic Conductivity		27

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

PAKISTAN - WEST
East Khairpur Tile Drainage Project.
Project Planning Report Draft
1971 - HTS, MMP
1

ALBUM No. 16 01 10 ✓

Map Title	Scale	Plate/Drawing No.
General layout		1
Existing canalisation. North, South		2, 3
Proposed canalisation. North, South		4, 5
Preliminary tile drainage layout Sheets 1-4		6-9
Patni distributory (new canal) (longitudinal section)		10
Kandri Minor (remodelled canal) (Longitudinal section)		11
Patni distributory head regulators		12
Movable weir regulators type A, B and C		13, 14
Typical road culvert		15
Aqueduct with foot bridge		16
Minor canal and drain structures		17

COUNTRY SOMALIA **ALBUM No. 19 03 1**
PROJECT AND/OR Mogambo Irrigation Project
ALBUM TITLE: Supplementary Feasibility Study Draft
DATE AND PEOPLE RESPONSIBLE: 1979 - MMP
NO. OF COPIES: 2

Map Title	Scale	Plate/Drawing No.
Project location map		1
Project area existing situation		2
Orthophographs Sheets 1-10		3-12
Spot height overlay Sheets 1-10		13-22
Soil map (location of pits and bores)		23
Soil classification	1:20 000	24
Land classification	1:20 000	25
Project Area - irrigation and drainage layout	1:20 000	26
Soil classification Sheets A-D	-	27-30
Land classification Sheets A-D	-	31-34
Irrigation and drainage layout Sheets A-D	-	35-38
Typical field units	-	39
Main canal and longitudinal sections	-	40
Flood relief channel and embankment details	-	41
Typical channel cross sections	-	42
Main irrigation pump station	-	43
Flood relief channel head regulator (existing)	-	44
Typical sprinkler pump station	-	45
Main canal siphon underpass	-	46
Moveable weir regulator	-	47
Pipe regulator and culvert	-	48
Canal tail escape and distributory outlet	-	49
Drainage pump station	-	50
Drainage junction culverts	-	51

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

SRI LANKA
Mahaweli Development Project System C

ALBUM No. 19 04 1

HTS
7

Map Title

Land classification maps for upland crops and wetland rice

Scale

1:25 000

Plate/Drawing No.

Sheets 1-10

COUNTRY

SWAZILAND

PROJECT AND/OR

Irrigation scheme

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE: 1961 - HTS

NO. OF COPIES:

1

ALBUM No. 19 09 1

Map Title

Scale

Plate/Drawing No.

Border gate irrigation area: soils

1:12 000

Border gate irrigation area: groundwater depth

1:12 000

Border gate irrigation area: land classification

1:12 000

Land classification

1:12 000

Soils

1-8

1:12 000

1-8

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

SWAZILAND
Atlas of Land Systems
1971 - MVEE (Christchurch)
2

ALBUM No. 19 09 2 ✓

Map Title

Descriptions of land systems in Swaziland -
Aerial photographs
Map of land systems

Scale

1:30 000
1:500 000

Plate/Drawing No.

ALBUM No. 19 10 1

COUNTRY SAUDI ARABIA
PROJECT AND/OR Umm Er Radhuma Study - Level 1 - Soils Survey Part A
ALBUM TITLE: Album 1
DATE AND PEOPLE RESPONSIBLE: 1979 - GDC
NO. OF COPIES: 4

Map Title	Scale	Plate/Drawing No.
Sheet Index	1:2 000 000	UER 330
Flight plan	1:2 000 000	UER 924
Soils	1:100 000	UER 163 - 249

COUNTRY SAUDI ARABIA ALBUM No. 19 10 2
PROJECT AND/OR Umm Er Radhuma Study - Level 1 - Soils Survey Part B
ALBUM TITLE: Album 2
DATE AND PEOPLE RESPONSIBLE: 1979 - GDC
NO. OF COPIES: 4

Map Title	Scale	Plate/Drawing No.
Sheet index	1:2 000 000	UER 330
Flight plan	1:2 000 000	UER 924
Soils	1:100 000	UER 250-328

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

SAUDI ARABIA
Umm Er Radhuma Study - Level 2 - Soils Survey
Wadi Al Miyah, Hanidh, Urayirah, Al Hasa. Wadi as Sahba and Jabrin Album 4
1979 - GDC
4

ALBUM No. 19 10 4

Map Title	Scale	Plate/Drawing No.
Miyah:		
Flight plan		UER 927
Soil observation sites	1:50 000	UER 385-390
Soils	1:50 000	UER 391-396
Land classification	1:50 000	UER 397-402
Flight plan		UER 928
Soil observation sites	1:50 000	UER 403, 404
Soils	1:50 000	UER 405,406
Land classification	1:50 000	UER 407, 408
Soil observation sites	1:50 000	UER 409, 410
Soils	1:50 000	UER 411, 412
Land classification	1:50 000	UER 413, 414
Flight plan		UER 929
Soil observation sites	1:50 000	UER 547-551
Soils	1:50 000	UER 552-556
Land classification	1:50 000	UER 557-561
Flight plan		UER 930
Soil observation sites	1:50 000	UER 415-422
Soils	1:50 000	UER 423-430
Land classification	1:50 000	UER 431-438
Flight plan		UER 931
Soil observation sites	1:50 000	UER 439-442
Soils	1:50 000	UER 443-446
Land classification	1:50 000	UER 447-450
Jabrin:		

ALBUM No. 19 10 5

COUNTRY SAUDI ARABIA
PROJECT AND/OR Umm Er Radhuma Study - Level 2A - Soils Survey
ALBUM TITLE: ADC Soils Maps Album 5
DATE AND PEOPLE RESPONSIBLE: 1979 - GDC
NO. OF COPIES: 4

Map Title	Scale	Plate/Drawing No.
Rumah Rangeland:		
Flight plan		UER 932
Soil observation sites	1:50 000	UER 562-575
Soils	1:50 000	UER 576-589
Vegetation	1:50 000	UER 590-603
AS Sarar ADC:		
Soil observation sites	1:2 000	UER 945, 948, 951
Soils	1:2 000	UER 946, 949, 952
Land classification	1:2 000	UER 947, 950, 953
Burayqa ADC:		
Soil observation sites	1:2 000	UER 954, 957, 960, 963
Soils	1:2 000	UER 955, 958, 961, 964
Land classification	1:2 000	UER 956, 959, 962, 965

COUNTRY SAUDI ARABIA ALBUM No. 19 10 6
 PROJECT AND/OR Umm er Radhuma - Geology and Geophysics
 ALBUM TITLE: Album 6
 DATE AND PEOPLE RESPONSIBLE: 1979 - GDC
 NO. OF COPIES: 4

Map Title	Scale	Plate/Drawing No.
1-5 Geology	1:1 000 000	UER 62-66
6 Location of geological sections	1:2 000 000	UER 67
7-11 Location of boreholes and sections	1:2 000 000	UER 68-72
12-21 Geological sections 1-39		UER 16-25
22 Geophysics: Orthogonal sounding results - Wadi Al Batin and Ash Shafallah		UER 78
13 Orthogonal sounding results - Wadi Al Miyah and Jabrin		UER 79
24 Wadi Al Batin - resistivity sections		UER 80
25 Wadi Al Batin - transverse resistivity		UER 81
26 Shafallah - resistivity sections		UER 82
27 Shafallah - transverse resistivity		UER 83
28 Wadi Al Miyah - resistivity sections		UER 84
29 Wadi Al Miyah - transverse resistivity		UER 85
30 Harad (Wadi As Sahba) - resistivity sections		UER 86
31 Harad (Wadi As Sahba) - transverse resistivity		UER 87
32 Jabrin - resistivity sections		UER 88
33 Jabrin - transverse resistivity		UER 89

COUNTRY

SAUDI ARABIA

PROJECT AND/OR

Umm er Radhuma - Hydrogeology

ALBUM TITLE:

Album 7

DATE AND PEOPLE RESPONSIBLE:

1979 - GDC

NO. OF COPIES:

4

ALBUM No. 19 10 7

Map Title

- 1 Subcontract No.1 well locations
- 2 Topographic contours of the Study Area
- 3-8 Well inventory - Wadi al Batin
- 9-13 Well inventory - Wadi al Miyah
- 14-19 Well inventory - Coastal belt
- 20 Well inventory - Jubayl
- 21-25 Well inventory - Al Hasa
- 26 Aquifer Oxygen - 18 concentrations
- 27 Aquifer Deuterium- 18 concentrations
- 28 Aquifer carbon isotope - 18 concentrations
- 29 Dammam and Aruma Aquifers Oxygen - 18 concentrations
- 30-46 Aquifer salinity
- 47-63 Aquifer piezometry

Scale

- 1:2 000 000
- 1:2 000 000
- 1:50 000
- 1:50 000

- 1:25 000 & 1:50 000
- 1:2 000 000
- 1:2 000 000
- 1:2 000 000
- 1:2 000 000
- 1:500 000
- 1:500 000

Plate/Drawing No.

- UER 609
- UER 621
- UER 938-943
- UER 604-607 &
520-521
- UER 608
- UER 675-679
- UER 610
- UER 966
- UER 611
- UER 693
- UER 751-767
- UER 768-784

COUNTRY SAUDI ARABIA
 PROJECT AND/OR Umm er Radhuma - The Groundwater Model
 ALBUM TITLE: Album 8
 DATE AND PEOPLE RESPONSIBLE: 1979 - GDC
 NO. OF COPIES: 4

Map Title	Scale	Plate/Drawing No.
1 Model network and boundary conditions	1:2 000 000	UER 612
2 Structure contours: Base Aruma Aquitard	1:2 000 000	UER 613
3 Structure contours: Base UER Aquifer	1:2 000 000	UER 614
4 Isopachytes: Aruma Aquitard	1:2 000 000	UER 615
5 Structure contours: Base Rus Aquitard	1:2 000 000	UER 660
6 Isopachytes: UER Aquifer	1:2 000 000	UER 661
7 Structure contours: Base Dammam Aquifer	1:2 000 000	UER 616
8 Isopachytes: Rus Aquitard	1:2 000 000	UER 617
9 Structure contour: Base Neogene Aquifer	1:2 000 000	UER 618
10 Isopachytes: Dammam Aquifer	1:2 000 000	UER 619
11 Isopachytes: Saturated Neogene Aquifer	1:2 000 000	UER 620
12 Percentage of Anhydrite: Rus Aquitard	1:2 000 000	UER 630
13 Percentage of clay: Rus Aquitard	1:2 000 000	UER 631
14 Percentage of clay: Neogene Aquitard	1:2 000 000	UER 662
15 Permeability distribution UER Aquifer	1:2 000 000	UER 622
16 Permeability distribution Dammam Aquifer	1:2 000 000	UER 624
17 Aquifer material permeability: Neogene Aquifer	1:2 000 000	UER 626
18 Recharge zones	1:2 000 000	UER 634
19 TDS distribution: UER Aquifer	1:2 000 000	UER 635
20 TDS distribution: Dammam Aquifer	1:2 000 000	UER 636
21 TDS distribution: Neogene Aquifer	1:2 000 000	UER 637
22 Temperature distribution UER Aquifer	1:2 000 000	UER 638
23 Steady state Piezometry: Aruma Aquifer	1:2 000 000	UER 639
24 Steady state Piezometry: UER Aquifer	1:2 000 000	UER 640
25 Steady state Piezometry: Dammam Aquifer	1:2 000 000	UER 641
26 Steady state Piezometry: Neogene Aquifer	1:2 000 000	UER 642

Map Title	Scale	Plate/Drawing No.
27 Transmissivity distribution: UER Aquifer	1:2 000 000	UER 623
28 Transmissivity distribution: Dammam Aquifer	1:2 000 000	UER 625
29 Transmissivity distribution: Neogene Aquifer	1:2 000 000	UER 627
30 Leakance coefficient: Aruma Aquitard	1:2 000 000	UER 628
31 Leakance coefficient: Rus Aquitard	1:2 000 000	UER 629
32 Leakance coefficient: Neogene interface	1:2 000 000	UER 632
33 Simulated steady-state Piezometry: UER Aquifer	1:2 000 000	UER 643
34 Simulated steady-state Piezometry: Dammam Aquifer	1:2 000 000	UER 644
35 Simulated steady-state Piezometry: Neogene Aquifer	1:2 000 000	UER 645
36 Simulated steady-state flows through Arma Aquitard	1:2 000 000	UER 655
37 Simulated steady-state flows through Rus Aquitard	1:2 000 000	UER 656
38 Simulated steady-state flows through Neogene interface	1:2 000 000	UER 657
39 Detailed model: Network and boundary conditions	1:2 000 000	UER 658
40 Forecast head decline: UER Aquifer - Year 50	1:2 000 000	UER 659

COUNTRY

SAUDI ARABIA

ALBUM No. 19 109

PROJECT AND/OR

Umm er Radhuma - Development

ALBUM TITLE:

Album 9

DATE AND PEOPLE RESPONSIBLE:

1979 - GDC

NO. OF COPIES:

4

Map Title	Scale	Plate/Drawing No.
1 Study Area	1:2 000 000	UER 700
2-6 Irrigation and drainage layout - Development Areas 1-11	1:50 000	UER 702-705
7 Typical Farm Unit irrigation layout		UER 706
8 Typical surface irrigation layout		UER 707
9 Typical overhead irrigation layout		UER 708
10 Typical trickle irrigation layout		UER 709
11 Typical drainage details		UER 710
12 Typical drain fall structure		UER 711
13 Typical farm centre layout		UER 712
14-16 Building details Sheets 1-3		UER 713-715
17 Typical dairy enterprise layout		UER 716
18 Typical road cross section		UER 717
19 Road culverts		UER 718
20 Pipework details		UER 719
21 Tubewells details		UER 720
22 Power distribution - schematic circuit diagram		UER 721
23 Sub-station and typical overhead line details		UER 722
24-34 Irrigable land units Wadi al Batin Sheets 1-4, 6-12	1:50 000	UER 884-894
35-38 Irrigable land units Shafallah Sheets 1-4	1:50 000	UER 920-923
39-43 Irrigable land units Wadi Al Miyah Sheets 2-6	1:50 000	UER 895-899
44,45 Irrigable land units Hanidh Sheets 1-2	1:50 000	UER 900-901
46,47 Irrigable land units Urayirah Sheets 1-2	1:50 000	UER 902-903
48-52 Irrigable land units Al Hasa Sheets 1-5	1:50 000	UER 904-908
53-59 Irrigable land units Sahba Sheets 2-8	1:50 000	UER 909-915
60-63 Irrigable land units Jabrin Sheets 1-4	1:50 000	UER 916-919

COUNTRY
PROJECT AND/OR
ALBUM TITLE:

SAUDI ARABIA
Riyadh Additional Water Resources Study

ALBUM No. 19 10 10

DATE AND PEOPLE RESPONSIBLE: 1975 - MMP
NO. OF COPIES: 2

Map Title	Scale	Plate/Drawing No.
Geology:		
Ma'aqula	1:250 000	G1/2
Marrat	1:250 000	G3
Rumah	1:250 000	G4
Arai'ra	1:250 000	G5
Dhrama	1:250 000	G6
Ar Riyadh	1:250 000	G7
Al Hunayy	1:250 000	G8
Muzahimiyah Potential wellfield	1:50 000	G9/10, G11-G-16
Khurais Potential wellfield	1:50 000	G17
Khurais Potential wellfield	1:50 000	G18
Geophysical investigation Wasia Survey	1:250 000	G19
Geophysical investigation Minjur Survey	1:250 000	G21
Geophysical sections - Wasia	-	G20
Geophysical sections - Minjur	-	G22
Seismic sections - Minjur	-	G23
Hydrogeology:		
Hydrogeology	-	H1
Fence Diagram - Minjur	-	H2
Fence Diagram - Wasia Biyadh	-	H3
Regional water quality	-	H4
Engineering		
Layout of Minjur and Wasia alternatives	-	E1
General arrangement of Minjur scheme	-	E2
Typical well details	-	E3
Typical desalination, power and pumping works	-	E4

Map Title	Scale	Plate/Drawing No.
Typical treatment, power and pumping works		E5
Cross section of treatment works and details of reverse osmosis plant		E6
Generating and forwarding pump station		E7
Village layout		E8
Wasia booster and delivery pump stations		E9
Riyadh terminal reservoir		E10
Minjur pipeline route and profile		E11
Wasia pipeline route and profile Sheets 1 and 2		E12, E13
Pipeline and surge control details		E14
Staff organisation chart		E15
Polymod Parameters		E16
Polymod: Comparison of modelled and recorded data		E17
Polymod: Predicted Piezometry		E18

COUNTRY

THAILAND

PROJECT AND/OR

Yom Basin Study Volume 9

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE: 1971 - Howard Humphreys and Sons - MMP, HTS

NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Location of Yom Basin	1:1 000 000	1
Sukhothai Development - Phases and land units	1:150 000	2
Sukhothai Area - Semi-detailed land class	1:150 000	3
Phrae Area - Semi-detailed land class	1:100 000	4
Sukhothai Area - Groundwater Aquifer	1:150 000	5
Phrae Area - Groundwater Aquifer	1:100 000	6
Sukhathai Development - Canalisatation and drainage layout	1:150 000	7
Mae Yom Irrigation Project - remodelling proposals	1:100 000	8
Selected Study Area No.1	1:5 000	9
Selected Study Area Nos. 2, 3	1:5 000	10
Canal and drain cross sections	-	11

COUNTRY

PROJECT AND/OR

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE: 1956

NO. OF COPIES: 1

TANZANIA - TANGANIYKA
Government Atlas

ALBUM No. 20 02 1 ✓

Map Title	Scale	Plate/Drawing No.
Physiographical map		1
Physical map		2
Geological map		3
Soils		4
Mean annual rainfall		5
Hydrography		6
Mean annual No. of days rain		7
Mean annual vapour pressure		7
Mean annual maximum temperature		7
Mean annual minimum temperature		7
Magnetic variation and isogonic lines		8
Vegetation		9
Forest reserves		10
Game distribution and game reserves		11
Tsetse and sleeping sickness		12
Population density		13
Tribal and Ethnographic		14
Provinces and districts		15
Malaria		16
Medical facilities		17
Educational facilities		18
Principal distribution of labour		19
Main labour routes		20
Water supplies		21
Agriculture		22

Map Title	Scale	Plate/Drawing No.
Cattle densities		23
Mineral occurrences		24
Chief mineral areas		25
Communications		26
Town Plans - Dar es Salaam	1:25 000	27
Town Plans - Tanga	1:10 000	27
Town Plans - Dodoma	1:5 000	27
Town Plans - Morogoro	1:25 000	27
Imports and exports	-	28
Mineral production	-	29

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

TANZANIA - TANGANIYKA
Histograms to the lineament Report No. 40

1

ALBUM No. 20 02 2 ✓

Map Title

Scale

Plate/Drawing No.

Various histograms

COUNTRY

TANZANIA

ALBUM No. 20 02 3 ✓

PROJECT AND/OR

The development of the Pangani River Basin

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE: 1962 - HALCROW

NO. OF COPIES: 1

Map Title

Scale

Plate/Drawing No.

General: Proposed development schemes

Profile of Pangani river and tributaries

Ivengera Valley and Hale area storage possibilities

Mkomazi Valley storage possibilities

Buiko diversion scheme and Mkomazi valley control works

Ruru-Lake Jipe area key plan and layout of swamp drainage channels

Irrigation maps

Maps and surveys

Geological drawings

Hydrological and meteorological records

Isohyetals

Analysis sheets

1

2

3

4

5

6

7-13

20-37

38-48

49-58

59-121

122-168

COUNTRY

PROJECT AND/OR

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE:

NO. OF COPIES:

TRUCIAL STATES

Report on the Water Resources of the Trucial States

Volume III

1969 - HALCROW

1

ALBUM No. 20 03 1 ✓

Map Title	Scale	Plate/Drawing No.
General plan	1:1 000 000	1
Hydrological zones	1:1 000 000	2
Geological map	1:1 000 000	3
Physiographical map	1:1 000 000	4
Observation sites	1:1 000 000	5
Rainfall Oct. to Sept. 1966-1967	1:1 000 000	6
Rainfall Oct. to Sept. 1967-1968	1:1 000 000	7
Rainfall Oct. to Sept. 1965-1968	1:1 000 000	8
Rainfall Oct. to Sept. 1966-1968	1:1 000 000	9
Groundwater contours	1:500 000	10
Groundwater flow	1:500 000	11
Transmissivity	1:500 000	12
Electrical conductivity contours	1:1 000 000	13
Irrigation water salinity hazards	1:1 000 000	14
Calcium ion concentration in groundwater	1:1 000 000	15
Magnesium ion concentration in groundwater	1:1 000 000	16
Sodium ion concentration in groundwater	1:1 000 000	17
Potassium ion concentration in groundwater	1:1 000 000	18
Sulphate ion concentration in groundwater	1:1 000 000	19
Chloride ion concentration in groundwater	1:1 000 000	20
Graphs of groundwater levels and electrical conductivity	-	21-28
Flow in Falages and streams and electrical conductivity	-	29-30
Borehole pumping tests	-	31-43

COUNTRY VENEZUELA

PROJECT AND/OR

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE: 1973

NO. OF COPIES: 1

ALBUM NO. 22 01 1 ✓

Map Title

Scale

Plate/Drawing No.

Location maps
Geology, Hydrogeology, Climatic and Ecology maps
Human geography
Natural resources
Transport and communications
Tourism
Town plans

1-7
8-37
38-65
66-72
73-86
87-89
90-101

**COUNTRY
PROJECT AND/OR**

WEST AFRICA - Liberia, Ivory Coast, Ghana, Togo, Dahomey, Nigeria

ALBUM NO. 23 01 1 ✓

ALBUM TITLE:

Crop Ecologic Survey in West Africa

DATE AND PEOPLE RESPONSIBLE:

Agricultural Organisation of United Nations

NO. OF COPIES:

1

Map Title

Scale

Plate/Drawing No.

~~Climate~~

~~Minimum temperature~~

Maximum temperature

Annual rainfall and potential evapotranspiration

Humid season, beginning and end

Dry season, beginning and end

Rainfall surplus

Drought stress

Soil regions

Crop ecologic regions

Vegetation regions

Oil palm - ecologic regions

Cocoa - ecologic regions

Coconut - ecologic regions

Rubber - ecologic regions

Rice - ecologic regions

Maize - ecologic regions

Sorghum - ecologic regions

Millet - ecologic regions

Groundnut - ecologic regions

Yams - ecologic regions

Cassava - ecologic regions

Forage resources regions

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21, 22, 23
- 24

COUNTRY

YEMEN

ALBUM NO. 25 01 1 ✓

PROJECT AND/OR

Wadi Tuban

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE: 1980 - GDC

NO. OF COPIES: 1

Map Title

Scale

Plate/Drawing No.

Tuban and Abyan Delta catchments	1
Surface water irrigation in the Tuban Delta	2
Groundwater irrigation in the Tuban Delta	3
Irrigation in the Abyan Delta	4
Well in the Tuban Delta	5
Tuban Delta aquifer static water level 1972-1973, 1979-1980	6
Tuban Delta aquifer change in water level	7
Tuban Delta aquifer groundwater salinity	8
Tuban Delta aquifer groundwater quality	9
Inventoried wells in the Abyan Delta	10
Abyan Delta aquifer static water levels	11
Abyan Delta aquifer groundwater salinity	12
Abyan Delta aquifer groundwater quality	13
Tuban Delta aquifer digital model	14
Wadi Tuban water management plan	15

9 X 9 AERIAL PHOTOS HELD BY H.T.S.

U.K. LOCATIONS

Box No.			
1	HSL/UK/83/43	Tairlaw/Loch Braden Reservoir, Run IN 1057-62	27/8/83
"	"	NWWA, River Gilpin Run IN 1175-88	29/8/83
"	"	NWWA, Holywell, Dee Estuary Run 1-2SE 1189-1240	29/8/83
2	HSL/UK/83/62	Bakewell, NERC area 16, Runs 1-4w, 1674-1748/1750-74	6/9/83
3	"	Bakewell, NERC area 16, Runs 6-8, 1803-82	
3	"	Bakewell, NERC area 16, Run 5, 1883-1911	
4	HSL/UK/83/76	Lock Tay, Run 16N, 3487-93	15/11/83
"	HSL/UK/83/76	Lock Tay, Run 15S, 3494-98	15/11/83
"	HSL/UK/83/76	Lock Tay, Run 14N, 3499-3506	15/11/83
"	HSL/UK/83/76	Lock Tay, Runs 17-27 N/S alternating 3507-77	15/11/83
"	HSL/UK/83/76	Lock Tay, Run 28N, 3578-85	15/11/83
"	HSL/UK/83/76	Lock Tay, Run 28S, 3586-90	15/11/83
"	HSL/UK/83/76	Lock Tay, Run 29N, 3591-95	15/11/83
"	HSL/UK/83/76	Lock Tay, Run 29N, Reply 3596-3602	15/11/83
"	HSL/UK/83/76	Lock Tay, Run 30, 3603-06	15/11/83
"	HSL/UK/83/76	Lock Tay, Run 31-32 N/S, 3607-16	15/11/83
5	HGG/UK/84/2	Brail, SW of Northampton, Run 1NW, 1897-1916	24/5/84
"	HGG/UK/84/2	Holdeness, Site 22, Run SE, 1960-81	24/5/84
"	HGG/UK/84/4	Holdeness, Site 22, Run SE, 2725-32	30/5/84
"	HGG/UK/84/2	Darby High Moor area, Run 3, 1930-1/1951	24/5/84
"	HGG/UK/84/6	En Route to Kidlington - Sth Bonnington, 3465	10/6/84
"	HGG/UK/84/6	South Bonnington vicinity, 3474/81/90	10/6/84
"	HGG/UK/84/7	Swansea Bay area, 3168	8/6/84
"	HGG/UK/84/9	French Coast? Lizard? Plymouth? 3913	19/6/84
"	HGG/UK/84/10	Coed-y-BVrenin vicinity, 3406	9/6/84
6	HGG/UK/84/3	Loch Assgnt, Site 1, Run 1-3 N/S alternting, 2141-95	28/5/84
"	HGG/UK/84/3	Loch Assgnt, Site 28, Run 1Nx2, 2201-70	28/5/84
"	HGG/UK/84/3	Loch Assgnt, Site 1, Run 1S, 2296-2332	28/5/84
7	HGG/UK/84/3	Lock Ailsh/Glen Oykel, Site 26, Run IN-2N, 2271-95	28/5/84
"	HGG/UK/84/4	Loch Ailsh/Glen Oykel, Site 26, Run IN, 2616-22	29/5/84
8	HGG/UK/84/4	Dideot C, Site 6 & 7, Run 4SE, 2794-2802	31/5/84
"	HGG/UK/84/4	Dideot C, Site 6 & 7, Run 2SE, 2803,12	31/5/84
"	HGG/UK/84/5	Lundy/Swansea, Site 10, Run NE, 2946-58	6/6/84
8	HGG/UK/84/7	New Forest, Site 11, Run 7W, 305-11	6/6/84
"	HGG/UK/84/8	Lattakilldale, Site 2, Run 7W, 3699-3705	16/6/84
9	HGG/UK/84/9	Chace Water, Site 18B, Run 7SW, 3966-71	19/6/84
"	HGG/UK/84/9	Chace Water, Site 18B, Run 5SW, 3972-81	19/6/84
"	HGG/UK/84/9	Chace Water, Site 18B, Run 3SW, 3982-90	19/6/84
"	HGG/UK/84/9	Chace Water, Site 18B, Run 1SW, 3991-95	19/6/84
"	HGG/UK/84/10	Snowdonia, Site 14, Run 1-6 all Nth, 3247-98	9/6/84
"	HGG/UK/84/10	Snowdonia, Site 14, Run 2N Refly, 3299-3306	9/6/84
"	HGG/UK/84/10	Plymouth, Run Nth, 3525-40	11/6/84
10	HSL/UK	St Austell (various years)	
11	HSL/UK	St Austell Quarries	
12	HSL/UK/84	St Austell Quarries	
13	HSL/UK/81	Lightwater Bypass	
14	HSL/UK/68	GLC Camden	
15	HSL/UK/78	NW Water Authority	
16	HSL/UK/73	Herts Roads, Baldock - Red Bournburg	

17	HSL/UK/73	Rugby, Nepton on the Hill- Rowley Regis
18	HSL/UK/73	Rugby Cement Works, various locations and years
19	HSL/UK/78	Dartmoor, AMAX
20	HSL/UK/76	Peterlee
21	HSL/UK/75	Kent Water Authority
22	HSL/UK/78	Malden/Avely Thorpe
23	HSL/UK/78	GLC Brent, various locations
24	HSL/UK/72-73	British Museum, Grimes Graves/Pilkington Glass/ Windscale

OVERSEAS

"	HSL/71/73	Abu Dhabi Petroleum Co. Runs 1-5, 1973
"	HSL/71/73	Doha, Buttasa, Runs 1-3, 1971
26	HSL/UAE/82	UAE Dubai Roads, 1:25,000, Runs 12-16, films 2 & 3
27	HSL/UAE/82	UAE Dubai Roads, 1:25,000, Runs 23-28, films 1 & 3
28	HSL/UAE/83	UAE Dubai Roads, 1:25,000, Runs 17-22, films 2 & 3
29	HSL/UAE/78	Dubai, 1:25,000, Runs 1/4/5, film 2
30	HSL/UAE/78	Dubai, 1:25,000, Runs 1/2/2/3, films 1 & 2
31	HSL/UAE/78	Dubai, 1:25,000, Runs 4/4/5/6A/B, film 3
32	HSL/UAE/77	UAE West Coat, 1:16,000, Run 5, film 3
33	HSL/QAT/82	Qatar, Dukhan Westcoat, 1:40,000, Runs 1-4
34	HSL/QAT/77	Qatar Central, 1:36,000, Runs 1-4
35	HSL/QAT/77	Qatar Central, 1:36,000, Runs 5-8
36	HSL/QAT/77	Qatar Central, 1:36,000, Runs 9-12
37	HSL/QAT/77	Qatar Central, 1:36,000, Runs 13-16
38	HSL/QAT/77	Qatar Central, 1:36,000, Runs 17-19
39	HSL/QAT/77	Qatar Central, 1:38,000 (follows on from 1:36,000 series), Runs 1-5
40	HSL/QAT/77	Qatar North, 1:36,000, Runs 1-7
41	HSL/QAT/80	Qatar Village, areas 11,12,14,18,19
42	HSL/QAT/80	Qatar 1:3,000 Umm Bub N&S/Qatar Nav. runs, 1:20,000
43	HSL/QAT/66	Qatar 1:10,000, Khor Catchment, Runs 11-13
44	HSL/QAT/63	Qatar, Khor & Wakrah, Doha 1:25,000, Runs 1-4
45	HSL/QAT/75	Qatar, Doha Harbour, 1:14,000, Runs 1-3
46	HSL/QAT/76	Qatar 1:40,000/1:11,800, various locations
47	HSL/QAT/77	Oman, Fahud, 1:5,000, Runs 1-3
48	HSL/QAT/81	Oman, Aqr-Seeb Road, 1:10,000, Runs 1-6
49	HSL/TRU/63	Oman, Acca A, Run 4
50	HSL/TRU/63	Oman, Area A, Run 13
51	HSL/TRU/63	Oman, Area B, Run 1-13
52	HSL/TRU/63	Oman, Area C, Run 27-29
53	HSL/TRU/63	Oman, Area D, Run 1-4 plus Nav 2
54	HSL/TRU/63	Oman, Area E, Run 10
55	HSL/66	Oman, Muscat & Mutrah, 1:40,000/8,000/25,000
56	HSL/66	Oman, Muscat, Job No. 124-6504, Runs 1,2
"	HSL/66	Oman, Sib Extension, Job No. 124-6521, Runs 1,2
"	HSL/66	Oman, Ruwi, Seb, Job No. 124-6670, Run 4
57	HSL/66	Oman, Muscat, Qurum, 124-6546, Runs 1-3
58	HSL/66	Oman, Muscat, Qurum, 124-6546, Runs 4-6
59	HSL/66	Oman, Bandar-Jissuh, 124-6529, Oman, Sur, RAF: V13DRAF1887
60	HSL/66	Oman, Muscat-Qurum Extension, 124-6698, Runs 3-7
"	HSL/66	Oman, Muscat-Qurum Extension, 124-6698, Runs 7-9, 1:8,000 cover
61	HSL/3862/68	Oman, Buraimi, 1:10,000, Run 7
62	HSL/3862/68	Oman, Buraimi, 1:10,000, Run 8
63	HSL/3862/68	Oman, Buraimi, 1:10,000, Run 10
64	HSL/3862/68	Oman, Buraimi, 1:10,000, Run 13
65	HSL/3862/68	Oman, Buraimi, 1:10,000, Run 14

66	HSL/3862/68	Oman, Buraimi, 1:10,000, Run 18
67	HSL/3862/68	Oman, Buraimi, 1:10,000, Runs 21, 21A
68	HSL/3862/68	Oman, Buraimi, 1:10,000, Runs 22, 22A
69	HSL/3862/68	Oman, Buraimi, 1:10,000, Run 25
70	HSL/3862/68	Oman, Buraimi, 1:10,000, Runs 26, 26A
71	HSL/3862/68	Oman, Buraimi, 1:10,000, Run 27
72	HSL/3862/68	Oman, Buraimi, 1:10,000, Runs 28, 28A
73	HSL/3862/68	Oman, Buraimi, 1:10,000, Runs 31, 32
74	HSL/3862/68	Oman, Buraimi, 1:20,000, Runs B & C
75	HSL/3862/68	Oman, Buraimi, 1:20,000, Runs 26, 27
76	HSL/48401/68	Trusiul States, Dubai-Sharjah, Runs 1-4
77	HSL/Test 2/68	Oman, Abu Dhabi Island
78	HSL/Sri Lanka/1-Red 79	Sri Lanka Areas A,B,C,D, Film 2, Runs 3,4
79	"	Sri Lanka Areas A,B,C,D, Film 3, Runs 5,6
80	"	Sri Lanka Areas A,B,C,D, Film 4, Runs 7-9
81	"	Sri Lanka Areas A,B,C,D, Film 5, Runs 5,6/10,11/22
82	"	Sri Lanka Areas A,B,C,D, Film 6, Runs 3,4,4,12,13
83	"	Sri Lanka Areas A,B,C,D, Film 7, Runs 3G-5G
84	"	Sri Lanka Areas A,B,C,D, Film 7, Runs 2,13,14,16
85	"	Sri Lanka Areas A,B,C,D, Film 8, Runs 6,7,16
86	"	Sri Lanka Areas A,B,C,D, Film 8, Runs 15,15,21,23
87	"	Sri Lanka Areas A,B,C,D, Film 9, Runs 5,6,16A,20,Test
88	"	Sri Lanka Areas A,B,C,D, Film 9, Runs 17-20
89	"	Sri Lanka Areas A,B,C,D, Film 10, Runs 7,8
90	"	Sri Lanka Areas A,B,C,D, Film 10, Runs 8,8,10,18A,G1
91	"	Sri Lanka Areas A,B,C,D, Film 11, Runs 10,G2
92	"	Sri Lanka Areas A,B,C,D, Film 12,13, Runs 18A,Test,4,5,Test
93	"	Sri Lanka Areas A,B,C,D, Film 1,16, Run 1
94	HSL/Sri Lanka/79	Sri Lanka Areas A,B,C,D, Film 7,11,17, Runs 4,4,4,
95	"	Sri Lanka Areas A,B,C,D, Film 8,10,15, Run 5
96	"	Sri Lanka Areas A,B,C,D, Film 8,10,15, Run 6
97	"	Sri Lanka Areas A,B,C,D, Film 9,17, Runs 7,8,8
98	"	Sri Lanka Areas A,B,C,D, Film 10,11, Runs 11,12
99	"	Sri Lanka Areas A,B,C,D, Film 10,16, Run 9
100	"	Sri Lanka Areas A,B,C,D, Film 10,16,17, Run 10
101	"	Sri Lanka Areas A,B,C,D, Film 11,13, Runs 13,13,14
102	"	Sri Lanka Areas A,B,C,D, Film 11,14,15, Runs 20-21
103	"	Sri Lanka Areas A,B,C,D, Film 14,17, Runs 6/7, 6/7
104	"	Sri Lanka Areas A,B,C,D, Film 14,15,17, Runs 15,15,16,16A
105	"	Sri Lanka Areas A,B,C,D, Film 15,19, Runs 17,18,18A,19
106	"	Sri Lanka, Mahaweli, Film 1,13,16, Run 2
107	"	Sri Lanka, Mahaweli, Film 7,10, Run 3
108	"	Sri Lanka, Mahaweli, Area G, Film 13,16,17, Runs 1-5
109	174/NP/1	Nepal, DOS-174, Area 1
110	174/NP/2	Nepal, DOS-174, Area 1
111	174/NP/3	Nepal, DOS-174, Area 1
112	174/NP/4	Nepal, DOS-174, Area 1, Run 12
113	174/NP/4	Nepal, DOS-174, Area 1, Run 28A
114	174/NP/5	Nepal, DOS-174, Area 1, Runs 11, 14
115	174/NP/6	Nepal, DOS-174, Area 1
116	174/NP/7	Nepal, DOS-174, Area 1, Pt. Run 11, Prints 1-120
117	174/NP/7	Nepal, DOS-174, Area 1, Pt. Run 11, Prints 121-237
118	174/NP/8	Nepal, DOS-174, Area 1
119	174/NP/9	Nepal, DOS-174, Area 1, Runs 25W/26E, Prints 1-94
120	174/NP/9	Nepal, DOS-174, Area 1, Runs 23-25/28A, Prints 95-211

121	174/NP/10	Nepal, DOS-174, Area 1, Run 16E
122	174/NP/11	Nepal, DOS-174, Area 1, Run 10
123	174/NP/11	Nepal, DOS-174, Area 3, Run 5
124	174/NP/12	Nepal, DOS-174, Area 1, Run 27E
125	174/NP/13	Nepal, DOS-174, Area 1, No run no., prints 1-125
126	174/NP/13	Nepal, DOS-174, Area 1, No run no., prints 126-258
127	174/NP/14	Nepal, DOS-174, Area 1, Run 5
128	174/NP/15	Nepal, DOS-174, Area 1, Run 19E, Prints 1-78
129	174/NP/15	Nepal, DOS-174, Area 1, Runs 18,19, Prints 79-230/232-247
130	174/NP/16	Nepal, DOS-174, Area 1, Run 12
131	174/NP/17	Nepal, DOS-174, Area 1, Runs 8,9
132	174/NP/18	Nepal, DOS-174, Area 1, Run 4, Prints 1-90
133	174/NP/18	Nepal, DOS-174, Area 1, Runs 1W,2,3,8,9, Prints 91-236
134	174/NP/19	Nepal, DOS-174, Area 1, No run no., Prints 1-97
135	174/NP/19	Nepal, DOS-174, Area 1, Runs 8,9, Prints 98-240
136	174/NP/20	Nepal, DOS-174, Area 1, Runs 9,10, Prints 1-74
137	174/NP/20	Nepal, DOS-174, Area 1, Runs 9,10, Prints 75-160
138	174/NP/20	Nepal, DOS-174, Area 1, Runs 14,15, Prints 161-237
139	174/NP/21	Nepal, DOS-174, Area 1, Runs 21,22,22,23, Prints 1-99
140	174/NP/21	Nepal, DOS-174, Area 1, Runs 20,21,23,24, Prints 135-148/167-229
141	174/NP/22	Nepal, DOS-174, Area 1, Runs 5,6
142	174/NP/23	Nepal, DOS-174, Area 2, Run 3
143	174/NP/23	Nepal, DOS-174, Area 3, Run 1A
144	174/NP/24	Nepal, DOS-174, Area 3, Runs 6,7
145	174/NP/25	Nepal, DOS-174, Area 2, no run no., Prints 1-100
146	174/NP/25	Nepal, DOS-174, Area 2, no run no., Prints 101-180
147	174/NP/26	Nepal, DOS-174, Area 1, Runs 4,5x3,7,8
148	174/NP/26	Nepal, DOS-174, Area 1, Runs 7,8x3,9,21,22
149	174/NP/27	Nepal, DOS-174, Area 1, Runs 9,9x3
150	174/NP/28	Nepal, DOS-174, Area 1, Runs 19,20x3,21,22,23x2
151	174/NP/29	Nepal, DOS-174, Area 1, no run no., Prints 1-93
152	174/NP/29	Nepal, DOS-174, Area 1, no run no. 94-110/Run no. 1,2, Prints 111-139
153	174/NP/30	Nepal, DOS-174, Area 1, no run no., Prints 1-44
154	174/NP/31	Nepal, DOS-174, Area 2, Runs 11,13
155	174/NP/5	Nepal, DOS-174, Area 1, Runs 14/22
156	HSL/Kenya/67	Kenya Colour, True & False
157	HSL/Kenya/67	Kenya Colour, Col 19
158	HSL/MALAWI/68	Malawi DOS, 86 & 94
159	HSL/COL/4	Borneo Colour 1964
160	HSL/84/7&8	Curacao
161	?Kentiny?	1976 Bagel Valley Project? India? Job. No. 76779
162	HGG	Sudan 82, TOTALEX
163	RAF	Hunt Oil Yemen
164	HSL/73	Benin-Lonhro, Dahomey Road Strip, Runs 1,2,2E,3
165	HSL/73	Benin-Lonhro, Dahomey Road Strip, Runs 8-13
166	HSL/Nigeria/68	Nigeria, Yzerman Comparison, Test 99, Colour
167	Kenting?	Nigeria, Lagos, Area B, 1:800
168	Kenting?	Nigeria, Lagos, Area B, 1:800
169	Kenting?	Nigeria, Lagos, Area B, 1:800
170	HSL?/Nigeria	Nigerian Ports
171	HSL?/Nigeria	Nigeria, Lagos State Mapping, Job No. 125 6891
172	HSL?/Nigeria	Nigeria, Lagos State Mapping, Job No. 125 6891
174	HSL?/Nigeria	Nigeria, Lagos State Mapping, Job No. 125 6891
175	HSL?/Nigeria	Nigeria, Lagos State Mapping, Job No. 125 6891
176?	Kenting?	Nigeria, Lagos, McCowan Job No. 123 6318/73171
177	Kenting?	Nigeria, Shiroco Reservoir

(Box Nos 1-177)

9 x 9 Aerial Photos

held by H.T.S.

U.K. Locations

Page
7

Box No		U.K. Locations	
1	H81/uk/83/43	Tairlaw/Loch Braden Reservoir, Run 1N 1057-62	27/8/83
-	"	N.W.W.A., River Gilpin Run 1N 1175-88	29/8/83
"	"	N.W.W.A., Holywell, Dee Estuary Run 1-2SE 1189-1240	29/8/83
2	" 83/62	Bakewell, NERC. area 16, Runs 1-4W, 1674-1748/1750-74	6/9/83
3	"	" " " Runs 6-8, 1803-82	
"	"	" " " Run 5, 1883-1911	
4	" 83/76	Loch Tay Run 16N, 3487-93	15/11/83
"	"	" " " 15s 3494-98	"
"	"	" " " 14N 3499-3506	"
"	"	Runs 17-27 N/S alternating 3507-77	"
"	"	28N 3578-85	"
"	"	28S 3586-90	"
"	"	29N 3591-95	"
"	"	29N Refly 3596-3602	"
"	"	30? 3603-06	"
"	"	31-32 N/S 3607-16	"
5	H82/uk/84/2	Brill, Sw. of Northampton Run 1NW 1897-1916	24/5/84
"	"	Holderness, Site 22 Run SE 1960-81	
"	84/4	" " " 15 2725-32	30/5/84
"	84/2	Darby High Moor area Run 3 1930-1/1951	24/5/84
"	84/6	En Route to Kidlington - Sth Bonnington 3465	10/6/84
"	"	South Bonnington vicinity 3474/81/90	"
"	84/7	Swansea Bay area 3168	8/6/84
"	84/9	? French Coast? Lizard? Plymouth? 3513	19/6/84
"	84/10	Coed-y-Brenin vicinity 3406	9/6/84
6	" 84/3	Loch Asscut, Site 1 Run 1-3 N/S alternating, 2141-95	28/5/84
"	"	" " " 28 Run 1N x 2 2201-70	"
"	"	" " " 1 " 15 2296-2332	"
7	"	Loch Aitsh/Glen Oykel, Site 26, Run 1N-2N 2271-95	"
"	84/4	" " " " " " 1N 2616-22	29/5/84
8	"	Dibest C Site 6+7 Run 4SE 2794-2802	31/5/84
"	"	" " " " " 2SE 2803-12	"
"	84/5	Lundy/Swansea Site 10 Run NE 2946-58	6/6/84

9x9 Aerial Photos

(2)

Box				
8	H.C./uk/84/7	New Forest Site 11 Run 7w, 3005-11		6/6/84
-	-	84/8 Lathkilldale Site 2 - - 3694-3705		16/6/84
9	"	84/9 Chase Water Site 18B Run 7sw, 3966-71		19/6/84
-	-	" " " " " " 5sw 3972-81		"
-	-	" " " " " " 3sw 3982-90		"
-	-	" " " " " " 1sw 3991-95		"
"	"	84/10 Snowdonia Site 14 Run 1-6 all NH 3247-98		9/6/84
"	"	" " " " " " 2w lefty 3299-3306		"
"	"	" Plymouth Run NH 3525-40		11/6/84
10	HSL/uk	St Austell (various years)		
11	"	" " Quarries		
12	"	" " /84 " " "		
13	"	" " /71 Lightwater Bypass		
14	"	" " /68 G.L.C. Camden		
15	"	" " /78 N.W. Water Authority		
16	"	" " /73 Herts Roads, Baldock - Red Bournbury		
17	"	" " " Rugby, Nepton on the Hill - Rowley Regis		
18	"	" " " Rugby Cement works, various locations & years		
19	"	" " /78 Dartmoor, AMAX		
20	"	" " /76 Peterlee		
21	"	" " /75 Kent Water Authority		
22	"	" " /78 Maldon / Avelly Thorpe		
23	"	" " " G.L.C. Brent, various locations		
24	"	" " /72-73 British Museum, Grimes Graves/Pilkington Glass/Windscale ~~~~~ Overseas ~~~~~		
25	HSL/71/73	Abu Dhabi Petroleum Co. Runs 1-5 1973		
"	"	" Doha, Bu Hasa " 1-3 1971		
26	HSL/uae/82	U.A.E. Dubai Roads 1:25,000 Runs 12-16 Films 2 & 3		
27	"	" " " " " " 23-28 " 1 & 3		
28	"	" " /83 " " " " " " 17-22 " 2 & 3		
29	"	" " /78 Dubai 1:25,000 Runs, 1/4/5 Film 2		
30	"	" " " " " " 1/2/2/3 " 1 & 2		
31	"	" " " " " " 4/4/5/6A/B " 3		

9 x 9 Aerial Photos

3

32	HSL/UAE/77	U.A.E. West Coast 1:16,000 Run 5 Film 3
33	HSL/QAT/82	Qatar, Dukhan Westcoast 1:40,000 Runs 1-4
34	" - /77	" Central 1:36,000 Runs 1-4
35	" - -	" " " " " 5-8
36	" - -	" " " " " 9-12
37	" - -	" " " " " 13-16
38	" - -	" " " " " 17-19
39	" - -	" " " " " 1:38,000 (follows on from 1:36,000 series) Runs 1-5
40	" - -	Qatar North 1:36,000 Runs 1-7
41	" - /80	Qatar Villages, areas 11, 12, 14, 18, 19
42	" - -	Qatar 1:3,000 Umm Bub N+S / Qatar Nav. runs 1:20,000
43	" - /66	Qatar 1:10,000 Khor Catchment Runs 11-13
44	" - /63	Qatar, Khor & Wakrah, Doha 1:25,000 Run 1-4
45	" - /75	Qatar, Doha Harbour 1:14,000 Runs 1-3
46	" - /76	Qatar 1:4,000 / 1:11,800, Various locations
47	" - /77	Oman, Fahud 1:5,000 Runs 1-3
48	" - /81	Oman, Agr - Seeb Road 1:10,000 Runs 1-6
49	HSL/TRC/63	Oman, Area A Run 4
50	" - -	" " A " 13
51	" - -	" " B " 1-13
52	" - -	" " C " 27-29
53	" - -	" " D " 1-4 plus Nav. 2
54	" - -	" " E " 10
55	HSL/66	Oman, Muscat & Mutrah 1:4,000 / 8,000 / 25,000
56	" - -	Oman Muscat, Job N° 124-6504 Runs 1, 2
"	" - -	" Sib Extension, J. N° 124-6521 Runs 1, 2
"	" - -	" Ruwi, Seeb " 124-6670 " 4
57	" - -	" Muscat, Qurum, 124-6546 " 1-3
58	" - -	" " " 124-6546 " 4-6
59	" - -	" Bandar - Jissah 124-6529 / Oman, Sur. RAF: V13DRAF1887
60	" - -	" Muscat - Qurum Extension 124-6698 Runs 3-7
"	" - -	" " " " " " " 7-9 1:8,000 cover
61	HSL/3862/68	Oman Buraimi 1:10,000 Run 7

Box					
62	HSL/3862/68	Oman Busraini	1:10,000	Run 8	
63	"	"	"	"	10
64	"	"	"	"	13
65	"	"	"	"	14
66	"	"	"	"	18
67	"	"	"	"	21, 21A
68	"	"	"	"	22, 22A
69	"	"	"	"	25
70	"	"	"	"	26, 26A
71	"	"	"	"	27
72	"	"	"	"	28, 28A
73	"	"	"	"	31, 32
74	"	"	1:20,000	"	B + C
75	"	"	"	"	26, 27
76	HSL/48401/68	Trinidad States, Dubai - Sharjah			Runs 1-4
77	HSL/Test 2/68	Oman Abu Dhabi Island			
78	HSL/Sri Lanka/1. Red 79	Sri Lanka Areas A, B, C, D	Film 2		Runs 3, 4
79	"	"	"	3	5, 6
80	"	"	"	4	7-9
81	"	"	"	5	5, 6/10, 11/22
82	"	"	"	6	3, 4, 4, 12, 13
83	"	"	"	7	3C-5C
84	"	"	"	7	2, 13, 14, 16
85	"	"	"	8	6, 7, 16
86	"	"	"	8	15, 15, 21, 23
87	"	"	"	9	5, 6, 16A, 20, Test
88	"	"	"	9	17-20 inc
89	"	"	"	10	7, 8
90	"	"	"	10	8, 8, 10, 18A, C, 1
91	"	"	"	11	10, C, 2
92	"	"	"	12, 13	18A, Test, 4, 5, Test
93	"	"	"	1, 16	1
94	HSL/Sri Lanka/79	Sri Lanka Areas A, B, C, D	Film 7, 11, 17		Runs 4, 4, 4

9x9 Aerial Photos

(5)

Box								
95	HSL/Sri Lanka/79	Sri Lanka Areas A.B.C.D.	Film 8, 10, 15	Run 5				
96	"	"	"	"	8, 10, 15	"	6	
97	"	"	"	"	9, 17	"	7, 8, 8	
98	"	"	"	"	10, 11	"	11, 12	
99	"	"	"	"	10, 16	"	9	
100	"	"	"	"	10, 16, 17	"	10	
101	"	"	"	"	11, 13	"	13, 13, 14	
102	"	"	"	"	11, 14, 15	"	20-23 inc	
103	"	"	"	"	14, 17	"	6/7, 6/7	
104	"	"	"	"	14, 15, 17	"	15, 15, 16, 16A	
105	"	"	"	"	15, 19	"	17, 18, 18A, 19	
106	"	"	Mahaweli	"	1, 13, 16	"	2	
107	"	"	"	"	7, 11	"	3	
108	"	"	"	Area C	13, 16, 17	"	1-5 inc	
109	174/NP/1	Nepal D.O.S - 174 Area 1						
110	"	2	"	"	"			
111	"	3	"	"	"			
112	"	4	"	"	"	Run 12		
113	"	4	"	"	"	"	28A	
114	"	5	"	"	"	"	11, 14	
115	"	6	"	"	"			
116	"	7	"	"	"	Pt. Run 11	Prints 1-120 inc	
117	"	7	"	"	"	"	11 - 121-237 inc	
118	"	8	"	"	"			
119	"	9	"	"	"	Runs 25W/26E	Prints 1-94 inc	
120	"	9	"	"	"	"	23, 24, 24, 25, 28A Prints 95-211 inc	
121	"	10	"	"	"	"	16E	
122	"	11	"	"	"	"	10	
123	"	11	"	"	Area 3	"	5	
124	"	12	"	"	Area 1	"	27E	
125	"	13	"	"	"	No run N°.	Prints 1-125 inc	
126	"	13	"	"	"	"	126-258 inc	
127	"	14	"	"	"	Run 5		

9x9 Aerial Photos

Box		
128	174/NP/15	Nepal D.O.S - 174 Area 1 Run 19E Prints 1-78 inc
129	" 15	" " " " " " " " " " 8,19 " 79-230/232-247 inc
130	" 16	" " " " " " " " " " 12
131	" 17	" " " " " " " " " " 8,9
132	" 18	" " " " " " " " " " cl Prints 1-90 inc
133	" 18	" " " " " " " " " " 1,2,3,8,9 " 91-236 inc
134	" 19	" " " " " " " " " " N° Run N° Prints 1-97 inc
135	" 19	" " " " " " " " " " Run 8,9 " 98-240 inc
136	" 20	" " " " " " " " " " 9,10 " 1-74
137	" 20	" " " " " " " " " " " " " " 75-160
138	" 20	" " " " " " " " " " 14,15 " 161-237
139	" 21	" " " " " " " " " " 21,22,22,23 " 1-99 inc
140	" 21	" " " " " " " " " " 20,21,23,24 " 135-148/167-229 inc
141	" 22	" " " " " " " " " " 5,6
142	" 23	" " " " " " " " " " Area 2 " 3
143	" 23	" " " " " " " " " " Area 3 " 1A
144	" 24	" " " " " " " " " " " " " 6,7
145	" 25	" " " " " " " " " " Area 2 No Run N° Prints 1-100 inc
146	" 25	" " " " " " " " " " " " " " 101-180 inc
147	" 26	" " " " " " " " " " Area 1 Run 4,5x3,7,8
148	" 26	" " " " " " " " " " " 7,8x3,8,9,21,22
149	" 27	" " " " " " " " " " " 8,9x3
150	" 28	" " " " " " " " " " " 19,20x3,21,22,22,23x2
151	" 29	" " " " " " " " " " No Run N° Prints 1-93 inc
152	" 29	" " " " " " " " " " " " 94-110/Run N° 1,2 Prints 111-135
153	" 30	" " " " " " " " " " " " " " Prints 1-44 inc
154	" 31	" " " " " " " " " " Area 2 Run 11,13
155	" 5	" " " " " " " " " " Area 1 " 10/22
156	HSL/Kenya/67	Kenya Colour, True & False
157	" " "	" " " " " " " " " " Col 19
158	HSL/MALAWI/68	Malawi D.O.S 86 & 94
159	HSL/COL/4	Borneo Colour 1964
160	HSL/84/7+8	Curaçao

19.05.40

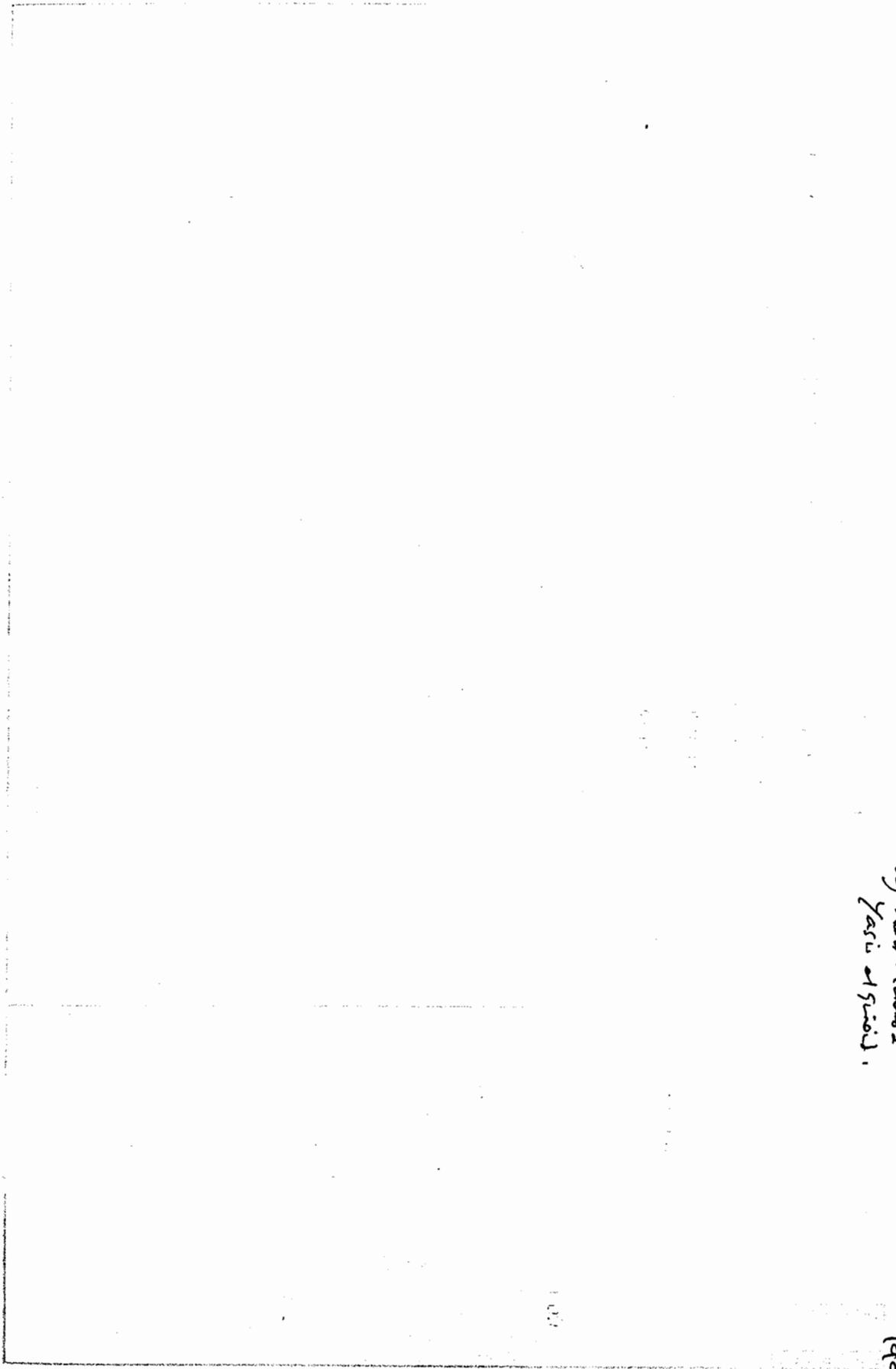
SUDAN

Jebel Marra Area
Development Study

LAND USE
PLANNING
UNITS.
by Neil Munro &
Yasir al-Said.

1:250000

2 Sheets
North &
South
1995.



COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

SUDAN
Roseires Soil Survey (accomp. Report 12)
Blue Nile East Bank Roseires to Sennar. West Bank Abu Hugar to Sennar
1965 - MMP, HTS
1

ALBUM No. 19 05 1 ✓

Map Title

Index sheets Areas 2A and 2B
Soils

Scale	Plate/Drawing No.
1:250 000	55K 2-3, 5-1, 5-2, 6-1, 5-4, 6-3
1:50 000	55O 2-2, 3-1, 3-2 3-3, 3-4, 6-1 6-2, 6-4
1:50 000	55P 4-1 55P 4-1

Land classification

COUNTRY

PROJECT AND/OR

ALBUM TITLE:

DATE AND PEOPLE RESPONSIBLE:

NO. OF COPIES:

SUDAN

Rahad East Bank Extension (accomp. Report 4a)

1965 - MMP, HTS

1

ALBUM No. 19 05 2

Map Title

Soils

Land classification

Scale

1:50 000

1:50 000

Plate/Drawing No.

2-3, 2-4, 5-1, 5-2,

6-1, 5-4, 6-3

55K 3-1, 3-2

55K 3-1, 3-2

500-2

SUD-3

ALBUM No. 19 05 3

COUNTRY SUDAN
 PROJECT AND/OR The Nile from Kareima to the Third Cataract
 ALBUM TITLE:
 DATE AND PEOPLE RESPONSIBLE: 1963 - MMP, HTS
 NO. OF COPIES: 1

Map Title

Scale

Plate/Drawing No.

1:500 000

Sheet Index

Area 4: soil survey reconnaissance for irrigable areas
 Area 4: land classification survey reconnaissance for irrigable areas
 Engineering reconnaissance for irrigable areas

17, 18-23, 24S
 17, 18-23, 24S
 17, 18-23, 24S

SUD 4

ALBUM No. 19 05 5

COUNTRY SUDAN
PROJECT AND/OR Roseires Soil Survey
ALBUM TITLE: The Nile from Khartoum to Kareima
DATE AND PEOPLE RESPONSIBLE: 1963
NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Index sheet	1:100 000	1-8, 8A, 9, 10, 12, 13
Soils		1-8, 8A, 9, 10, 12, 13
Land suitability		1-8, 8A, 9, 10, 12, 13
Engineering reconnaissance plans		

SUD.5

COUNTRY SUDAN ALBUM No. 19 05 6 ✓
PROJECT AND/OR Roseires Soil Survey
ALBUM TITLE: The Nile from Kareima to the Third Cataract (accomp. Report No.8)
DATE AND PEOPLE RESPONSIBLE: 1965 - MMP, HTS
NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Soils Sheets 1-3	1:50 000	1-3
Land classification Sheets 1-3	1:50 000	1-3

ALBUM No. 19 05 7 ✓

SUDAN
Roseires Soil Survey White Nile East Bank,
Rabak to Khartoum. Report No.14
1965
1

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

Map Title
Index Sheet
Soils
Land classification

Scale
1:50 000
1:50 000

Plate/Drawing No.
1-5
1-5

SUD 7

ALBUM No. 19 05 8 ✓

COUNTRY SUDAN
PROJECT AND/OR Roseires Soil Survey
ALBUM TITLE: Blue Nile East Bank Guneid to Khartoum Report No. 7
DATE AND PEOPLE RESPONSIBLE: 1965
NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Index Sheet	1:50 000	55I 3.6, 1-2
Soils	1:50 000	55G 4-3, 4-4, 1-2
Land classification		55I 3.6, 1-2 55G 4-3, 4-4, 1-2

508

COUNTRY SUDAN ALBUM No. 19 05 9 ✓
PROJECT AND/OR Roseires Soil Survey - The White Nile East Bank Mehit to Rabak
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES: 1

Map Title Scale Plate/Drawing No.
Soils 1-3
Land classification 1-3
Photointerpretation land type maps 3-4
Engineering reconnaissance plans 1-5

ALBUM No. 19 05 10 ✓

COUNTRY: SUDAN
 PROJECT AND/OR: Roseires Soil Survey: The White Nile East Bank
 ALBUM TITLE: Rabak to Khartoum
 DATE AND PEOPLE RESPONSIBLE: 1964
 NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Index Sheet		1, 4s, 7s, 10/11, 13/14
Soils		1, 4s, 7s, 10/11, 13/14
Land suitability		1, 4s, 7s, 10/11, 13/14
Engineering reconnaissance plans		

S2010

ALBUM No. 19 05 11 ✓

COUNTRY: SUDAN
 PROJECT AND/OR: Roseires Soil Survey: The Gunneid and Hawata Extensions to the
 ALBUM TITLE: Rahad Project Report No.13
 DATE AND PEOPLE RESPONSIBLE: 1966
 NO. OF COPIES: 1

Map Title: _____
 Scale: _____
 Plate/Drawing No.:

Sheet Index: 1:500 000
 Sheet Index Sheets 1 and 2: 1:250 000
 Soils: 1:250 000
 Land classification: 1:50 000

55C, 4-4, 5-3, 5-4
 55G, 1-2, 2-1, 2-2,
 3-1, 1-4, 2-3,
 5-2, 6-2, 6-3
 6-4
 55K 3-2, 3-4
 55L 1-1, 1-3, 4-1,
 4-2, 4-4
 55C, 4-4, 5-3, 5-4
 55G, 1-2, 2-1, 2-2,
 3-1, 1-4, 2-3,
 5-2, 6-2, 6-3
 6-4
 55K 3-2, 3-4
 55L 1-1, 1-3, 4-1,
 4-2, 4-4
 55G 2-4, 3-3, 6-1

COUNTRY SUDAN
PROJECT AND/OR Roseires Soil Survey: Gezira Extension Area
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE: 1963
NO. OF COPIES: 1

ALBUM No. 19 05 12 ✓

SUD 11

Map Title	Scale	Plate/Drawing No.
Index Sheet	1:250 000	11, 12, 19, 20, 27,
Soils	1:50 000	28, 35, 36, 37, 48
Land classification	1:50 000	11, 12, 19, 20, 27 28, 35, 36, 37, 48

SUD 12

ALBUM No. 19 05 13

COUNTRY: SUDAN
 PROJECT AND/OR: Roseires Soil Survey: Dinder-Blue Nile Gezira Sennar to Confluence
 ALBUM TITLE: Report 9
 DATE AND PEOPLE RESPONSIBLE: 1964
 NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Index Sheet Soils	1:250 000	55G 5-3
	1:50 000	55K 2-1, 2-2, 2-3, 2-4
Land classification	1:50 000	55G 5-3,
		55K 2-1, 2-2, 2-3, 2-4

COUNTRY
PROJECT AND/OR
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES:

SUDAN
Roseires Soil Survey: The Nile from Khartoum to Kareima
Report 15
1967
1

ALBUM No. 19 05 14 ✓

Map Title	Scale	Plate/Drawing No.
Index Sheet	1:250 000	
Soils	1:50 000	1-18
Land classification	1:50 000	1-18

50013

SUD 14

ALBUM No. 19 05 15 /

COUNTRY SUDAN
PROJECT AND/OR Nile Waters Study
ALBUM TITLE:
DATE AND PEOPLE RESPONSIBLE: 1978 - HTS, MMP, Sir Alex Coyne et Bellier
NO. OF COPIES: 1

Scale Plate/Drawing No.

1:100 000 1-19
1:100 000 1, 2

Map Title

Location map
Land classification
Land capability - Kassala Area, Khasmel el Girba Area

SUDAN

ALBUM No. 19 05 16 ✓

COUNTRY SUDAN
 PROJECT AND/OR Reference map
 ALBUM TITLE:
 DATE AND PEOPLE RESPONSIBLE: 1952
 NO. OF COPIES: 1

Map Title
 Scale 1:100 000
 Plate/Drawing No. 1-11

Northern ~~Prairie~~ land classification

from Nile.

COUNTRY SUDAN
 PROJECT AND/OR Roseires Soil Survey
 ALBUM TITLE: Final Album
 DATE AND PEOPLE RESPONSIBLE: 1968 - HTS, MMP
 NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Survey areas and list of reports		1
Criteria for determining land classes		2
Semi-detailed soil and land class surveys	1:250 000	3-9
The Nile - Kareima to Dongola Area		
The Nile - Atbara Area		
The Nile - Sixth Cataract to Shendi Area		
Gezira, Guneid and Rahad Project Extensions		
Rahad Project Extensions, Blue Nile East Bank Areas		
Blue Nile East Bank Area		
White Nile East Bank and Managil-Shawal Ext.		
Soils and engineering reconnaissance surveys		
The Nile from Khartoum to Third Cataract	1:1 000 000	10-11
Blue Nile East Bank from Guneid to Khartoum and White Nile East Bank from Melut to Khartoum	1:1 000 000	

500 17

COUNTRY SUDAN ALBUM No. 19 05 18
 PROJECT AND/OR Rahad Irrigation Project. Contract No. R5 Ginning Complex
 ALBUM TITLE:
 DATE AND PEOPLE RESPONSIBLE: 1974 - HTS, British Cotton Growing Association, MMP
 NO. OF COPIES: 1

Map Title	Scale	Plate/Drawing No.
Location plan		R5/1 SR57
Site plan		R5/2 SR98
Factories 2, 3, 4 Ginning plant - General arrangement		R5/7 SR103
Factories 2, 3, 4 Ginning plant - Sections		R5/8 SR104
Factory 1 layout and general details		R5/3 SR99
Factory 1 Ginning plant, general arrangement		R5/4 SR100
Factory 1 Ginning plant, Sections		R5/5 SR101
Factory 1 Linter ginning plant, general arrangement		R5/6 SR102
Additional buildings general details		R5/9 SR105

50018

ALBUM No. 19 05 19

COUNTRY PROJECT AND/OR SUDAN
Reappraisal of the Northern and Nile Provinces Pump Schemes

ALBUM TITLE: 1979 - MMP, HTS, GIBB
DATE AND PEOPLE RESPONSIBLE:
NO. OF COPIES: 4

Map Title	Scale	Plate/Drawing No.
Affat land suitability and sand encroachment	1:25 000	1
Gholed land suitability Sheets 1 and 2	1:25 000	2,3
Seleim land suitability Sheets 1 and 2	1:25 000	4,5
Seleim sand encroachment	1:25 000	6
Kokka land suitability	1:25 000	7
Affat alternative irrigation layouts	-	8
Gholed irrigation layout Sheets 1, 2	-	9, 10
Seleim topographic details Sheets 1, 2	-	11, 12
Kokka topographic details	-	13

5001

ALBUM No. 19 05 20

COUNTRY: SUDAN
 PROJECT AND/OR: South Darfur Rural Development Project
 ALBUM TITLE: Supply of building material, plant equipment and furnishings
 DATE AND PEOPLE RESPONSIBLE: 1979 - HTS, MMP
 NO. OF COPIES: 1 full copy, 1 part copy 1-17

Map Title	Scale	Plate/Drawing No.
Site plan		1 49701/1
Part site plan		2 49701/2
Senior house plan		3 49701/3
Senior house sections and elevations		4 49701/4
Senior house foundations and ceilings		5 49701/5
Senior house electrical plan		6 49701/6
Office block plan		7 49701/7
Office block sections and elevations		8 49701/8
Office block foundation plan		9 49701/9
Office block ceiling		10 49701/10
Office block electrical		11 49701/11
Details: Door and window openings		12 49701/12
Details: Foundations and roof		13 49701/13
Details: Joinery		14 49701/14
Door and window schedule		15 49701/15
Senior house hot and cold water		16
Office block cold water services		17
Generator building		18
GA. Diesel generator station		20
Generator station misc. detail		21
Wellhead arrangement and details		22
Water supply layout		23
Sewerage layout		24
Sewerage detail		25
Schematic diagram		30

ALBUM No. 19 05 20 (cont'd)

Map Title	Scale	Plate/Drawing No.
Generator station electrical installation		31
Site electrical distribution		32
Wells electrical distribution		33
Electrical equipment details		34

S 19 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
1904 1	SRI LANKA	Monaragala	Reconnaissance, Soils and Terrain Forestry, Wildlife and Proposals Soils and Land Suitability Soils and Land Suitability Soils and Land Suitability Soil Observation Sites Soil Observation Sites Soil Observation Sites Geology and Water Resources (tracing paper)	1:253 440 1:253 440 1:25 000 1:25 000 1:25 000 1:25 000 1:25 000 1:25 000 1:25 000 1/4" to 1 mile	1 2 4 5 6 7 8 9 3
1904 2	SRI LANKA	System C	Topo Base	1:25 000	
1904 3	SRI LANKA	System C	RECONNAISSANCE SOILS & LAND CLASSIFICATION	1:100,000	1
1904 3	"	"	DEVELOPMENT PROGRAMME	CHART	
1904 3	"	"	ACTIVITY CHART FOR SERVICES	"	
1904 3	"	"	DEHIATTE RAJAYA TOWNSHIP (NIG)	1:5000	
1904a	ST. LUCIA	DRAINAGE AND CONSERVATION OF 3 CATCHMENTS	EUL DE SAE LAND USE ROSEAU LAND USE FOND D'OR LAND USE EUL DE SAE GEOSIEN HAZARD ROSEAU FOND D'OR	1:12,500	1 2 3 4 5 6
1905 1	SUDAN	Bahr El Ghazal	Interpretation of Land Systems from ERTS Imagery	1:1 000 000	
1905 2	SUDAN	Blue Nile Waters Land Classification	Atlas Cover Atlas Index Rahad Sheet 1 - Blue		

500 22

S 19 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
✓ 19 05 3	SUDAN		Rahad II Rahad II	1:50 000 1:50 000	1 Black 2 Black, Blue
✓ 19 05 4	SUDAN		Rahad II	1:50 000	3 Black Blue
✓ 19 05 5	SUDAN		Rahad II	1:50 000	4,6,Black Blue
✓ 19 05 6	SUDAN		Rahad II	1:50 000	5 Black Blue
✓ 19 05 7	SUDAN		Roseires	1:50 000	2 Black 1 Blue
✓ 19 05 8	SUDAN		Roseires	1:50 000	2 & 3 Blue
✓ 19 05 9	SUDAN		Roseires Roseires	1:50 000 1:50 000	3 Black 4 Black & Blue
✓ 19 05 10	SUDAN		Roseires	1:50 000	5 Black & Blue
✓ 19 05 11	SUDAN		Aba el Magid Central Kenana Hurga Pump Scheme Nur Ed Din Pump Scheme	1:50 000 1:100 000 1:50 000 1:100 000	
✓ 19 05 12	SUDAN	Blue Nile Waters Land Classification Study	West Bank West Bank Guneid Extension	1:50 000 1:100 000 1:50 000	1 2
✓ 19 05 13	SUDAN	Darfur Water Development	Hydrogeology	1:500 000	1 Blue, Red, Black
& P			Hydrogeology	1:500 000	2 Red, Black
✓ 19 05 14	SUDAN	Nile Waters	Land Classification	1:100 000	1 - 9

S 19 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
• 19 05 15	SUDAN	Nile Waters	Land Classification	1:100 000	10 - 19
✓ 19 05 16	SUDAN	Southern Darfur Land Use Planning Survey	Topography, Contours and watering Points	1:250 000	1
			- Sub Nubian Topography	1:250 000	2
			- Regional Hydrogeology	1:250 000	3
			- Groundwater Quality	1:250 000	4
			Vegetation	1:250 000	2
			Proposed Land Use	1:250 000	Pos. & Reduced Neg.
			- Soils and Geomorphology	1:250 000	1
• 19 05 17 & P	SUDAN	Wad Salman	Land Class	1:50 000	Blue, Black, Yellow
✓ 19 05 18	SUDAN	Savanna Development Project Phase II	Base Map	1:500 000	1
			Borehole Locations	1:500 000	2
			Hydrogeological Boundaries and Depth to Basement Complex	1:500 000	3
			Topography and Waterable Contours	1:500 000	4
			Water Quality	1:500 000	5
			Groundwater Availability	1:500 000	Fig. 4.2
			Interim Report Area - Hafirs	1:500 000	
			- Land Systems, Geomorphology, Soils & Veg.		
19 05 19	SUDAN		Development Plan Area	1:500 000	
			Base	1:500 000	
			Proposed Land Use	1:500 000	
			Vegetation	1:500 000	
			Distribution of Woodland	1:500 000	
			Village Distribution	1:500 000	
			Cattle Tracks (Maraheel)	1:500 000	
			Existing Hafirs	1:500 000	

5028

S	Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
19 05 19	Cont.	SUDAN		Land Systems	1:500 000	
				Cultivated Land 1971 - 72	"	1
				Cultivated Land 1971 - 72	"	2
				Domestic Herbivore Biomass Density Oct. 1975	"	
				Domestic Herbivore Biomass Density April 1975	"	
19 05 20		SUDAN	Savanna Development Project Phase II	Development Plan Area	1:250 000	1
				Soils and Geomorphology	1:250 000	2
				Soils and Geomorphology	1:250 000	1
				Present Land Use 1975 Dec.	1:250 000	2
				Present Land Use 1975 Dec.	1:250 000	1
				Base	1:250 000	2
				Base	1:250 000	1
				Catchment Areas - Wadi el Ghalla	1:500 000	Fig. 2.4
				Catchment Areas - Wadi Shelengo	1:500 000	Fig. 2.5
				Nyala Water Supply	1:10 000	
				Communications	1:1 000 000	Fig. 7.1
				Gazala Gawazat (Soils)	1:20 000	
				Hydrogeology Figures		
				Average Annual Rainfall 1941 - 1970	1:2 000 000	Fig. 1.2
				1 Year in 5 Low Rainfall	"	1.5
				Start of Rainy Season 1965 - 1974	"	1.10
				End of Rainy Season 1965 - 1974	"	1.11
				Surface Water Drainage	"	2.1
				Urban Water Supplies	"	5.1

S 19 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
✓ 19 05 21	SUDAN	Agricultural Development In the Jebel Marra Area	Hydrogeology Hydrometeorological Network Reconnaissance Ecological Zones Vegetation Dry Season Livestock Densities Wet Season Livestock Densities Livestock Movement Patterns Geophysical Profiles Geophysical Profiles Dan Kuch Hydrogeology Dan Kuch Watertable Contours Zalingei Hydrogeology Watertable Contours Wadr Uyur Hydrogeology and Watertable Contours Amball Hydrogeology and Watertable Contours Misc. Map of Area (not HTS)	1:500 000 1:500 000 1:500 000 1:500 000 1:500 000 1:500 000 1:500 000 1:500 000 1:20 000 1:20 000 1:10 000 1:10 000 1:10 000 1:10 000 1:10 000 1:10 000 1:10 000 1:10 000 1:10 000 1:500 000	1 1 1 1 1 1 1 1 1 2 2 3 4 5 6 7
✓ 19 05 22	SUDAN	Nile Pump Schemes	1 Seleim Sand Encroachment 2 3 4 Seleim Land Utilisation 5 6 7 Seleim Land Utilisation 8 9 Gholed Land Suitability 2	1:25 000 1:25 000 1:25 000 1:25 000	Black 1 Black, Green Brown 2 Black, Green, Brown 1 Black, Green
✓ 19 05 23	SUDAN	Nile Pump Schemes	Location of Pump Schemes Kokka Land Suitability Affat Land Suitability and Sand Encroachment Gholed Land Suitability	1:1 000 000 1:25 000	Black, Red Green Black, Green Black, Green 2 Black, Green

H.A.S.G.C.

SHEET No.

SCALE

TYPE OF MAP

PROJECT

COUNTRY

S 19 Cont.

S 19 Cont.	COUNTRY	PROJECT	TYPE OF MAP	SCALE	SHEET No.
19 05 24	SUDAN	Nile Waters Study	Land Capability	1:100 000	1 & 2
19 05 25	SUDAN	Southern Darfur Land Use Planning Reconnaissance Study, Display Material	Proposed Land Use - Paper Copy Land Systems and Geomorphology Paper and Film Copy and Neg. Vegetation - Film Reduction	1:500 000 1:250 000	
19 05 26 P (22)	SUDAN	Hofrat En Nahas Area Eastern Area	Geological Photogeological	1:250 000 1:100 000	1 1-3
19 05 27 P (23)	SUDAN	Jebel Marra Investigations	Potential Irrigable Lands Forest Map	1:250 000 1:250 000	
19 05 28 P (24)	SUDAN	Mineral Survey	Geology	1:300 000	
19 05 29 P (25)	SUDAN	Darfur Water Development	Photogeology Hydrogeology	1:100 000 1:500 000	
19 05 30 P (26)	SUDAN	White Nile	Estimation of Irrigable Areas	1:250 000	34 sheets
19 05 31	SUDAN	South Kordofan	Indicative Plan Area	1:250 000	
19 05 32(P)	SUDAN	South Kordofan	Central Development Plan Western Development Plan	1:250 000 1:500 000	1 2
19 05 33	SUDAN	Southern Sudan	C.D.P. 45 COPIES W.D.P. 47 COPIES Interpretation of Land systems from LANDSAT imagery	1:250,000 1:500,000 1:500 000	1 2 1 & 2
19 05 34	SUDAN	Gold PLANTATION	FOREST MANAGEMENT PLAN	1:250,000	1 & 2
19 05 35	SUDAN	WSDC INDICATIVE LAND USE PLAN	LAND SYSTEMS / PLANNING REGIONS	1:1m.	1
14 05 39	SUDAN	Sudan Mapping Project	Topographic / soil systems	1:250000	All. in box in room with Plan 1:250000

19 05 36 (P)

SUDAN KORDOFAN LAND AND WATER USE SURVEY
(1962 - 64)

1:250,000

BASE DATA

SHEET 1-4

VEGETATION

1-4

PRESENT LAND USE

1-4

GEOLOGY

1-4

GEOMORPHOLOGY / SOILS

1-4

copy only
not to be removed

19 05 37 (P)

SUDAN KORDOFAN: HYDROGEOLOGICAL STUDY (1970)

1:250,000

ELEVATION ABOVE MEAN SEA LEVEL

SHEET 1

TOPOGRAPHY OF TOP OF BASEMENT COMPLEX

2

GRAVITY SURVEY OF N.E. KORDOFAN 1966-67

3

DEPTH TO BASEMENT COMPLEX

4

AQUIFER DISTRIBUTION AND GROUNDWATER POTENTIAL

5

not 38
not 4
19 05 / 38
24

SUDAN - COMPILATION REDUCTIONS OF 1:250,000
IMAGE MAPS (1985-87) TO 1:1,000,000
PERIMETRIC + SOILS