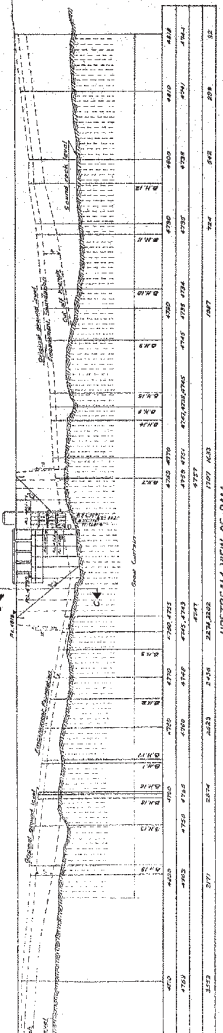
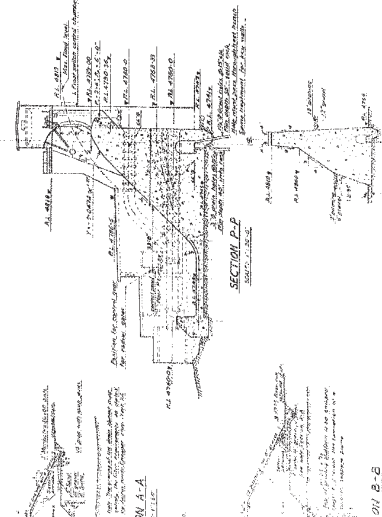


PLAN OF DAM
SCALE: 1" = 100'



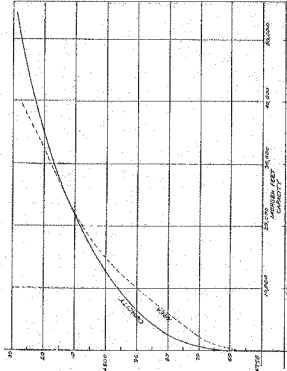
UPSTREAM VIEW OF DAM
SCALE: 1" = 100'



SECTION C-C
SCALE: 1" = 100'



LOCALITY SKETCH
SCALE: 1" = 100'



SURFACE AREA AND CAPACITY CURVES

STATISTICAL DATA

1. Total Area	41,234
2. Area of Dam	4,123
3. Area of Reservoir	37,111
4. Area of Flood Plain	1,000
5. Area of Cultivated Land	1,000
6. Area of Uncultivated Land	1,000
7. Area of Forest Land	1,000
8. Area of Pasture Land	1,000
9. Area of Other Land	1,000
10. Total Population	1,000
11. Total Livestock	1,000
12. Total Cattle	1,000
13. Total Sheep	1,000
14. Total Pigs	1,000
15. Total Horses	1,000
16. Total Donkeys	1,000
17. Total Mules	1,000
18. Total Oxen	1,000
19. Total Goats	1,000
20. Total Chickens	1,000
21. Total Poultry	1,000
22. Total Fish	1,000
23. Total Aquaculture	1,000
24. Total Irrigation	1,000
25. Total Power	1,000
26. Total Industry	1,000
27. Total Commerce	1,000
28. Total Education	1,000
29. Total Health	1,000
30. Total Recreation	1,000
31. Total Culture	1,000
32. Total Science	1,000
33. Total Arts	1,000
34. Total Sports	1,000
35. Total Entertainment	1,000
36. Total Media	1,000
37. Total Information	1,000
38. Total Communication	1,000
39. Total Transportation	1,000
40. Total Infrastructure	1,000
41. Total Services	1,000
42. Total Utilities	1,000
43. Total Energy	1,000
44. Total Environment	1,000
45. Total Nature	1,000
46. Total Wildlife	1,000
47. Total Conservation	1,000
48. Total Heritage	1,000
49. Total History	1,000
50. Total Culture	1,000

STATISTICAL DATA

DESIGN DATA

1. Dam Type	Gravity
2. Dam Height	100 ft
3. Dam Length	1,000 ft
4. Dam Width	100 ft
5. Dam Slope	1:1
6. Dam Foundation	Rock
7. Dam Material	Concrete
8. Dam Construction	1960
9. Dam Design	ASCE
10. Dam Safety	1.5
11. Dam Seepage	0.001
12. Dam Settlement	0.01
13. Dam Vibration	0.01
14. Dam Temperature	70
15. Dam Humidity	70
16. Dam Wind	10
17. Dam Rain	10
18. Dam Snow	10
19. Dam Ice	10
20. Dam Earthquake	0.2
21. Dam Tsunami	0.2
22. Dam Landslide	0.2
23. Dam Flood	0.2
24. Dam Drought	0.2
25. Dam Fire	0.2
26. Dam Bomb	0.2
27. Dam Nuclear	0.2
28. Dam Chemical	0.2
29. Dam Biological	0.2
30. Dam Environmental	0.2
31. Dam Social	0.2
32. Dam Economic	0.2
33. Dam Political	0.2
34. Dam Cultural	0.2
35. Dam Historical	0.2
36. Dam Archaeological	0.2
37. Dam Anthropological	0.2
38. Dam Linguistic	0.2
39. Dam Ethnographic	0.2
40. Dam Ethnological	0.2
41. Dam Folkloric	0.2
42. Dam Mythological	0.2
43. Dam Religious	0.2
44. Dam Philosophical	0.2
45. Dam Psychological	0.2
46. Dam Sociological	0.2
47. Dam Anthropological	0.2
48. Dam Archaeological	0.2
49. Dam Anthropological	0.2
50. Dam Anthropological	0.2

DESIGN DATA

REFERENCE DRAWINGS

1. General Notes	41234
2. Foundation	41234
3. Dam Structure	41234
4. Reservoir	41234
5. Flood Plain	41234
6. Cultivated Land	41234
7. Uncultivated Land	41234
8. Forest Land	41234
9. Pasture Land	41234
10. Other Land	41234
11. Population	41234
12. Livestock	41234
13. Cattle	41234
14. Sheep	41234
15. Pigs	41234
16. Horses	41234
17. Donkeys	41234
18. Mules	41234
19. Oxen	41234
20. Goats	41234
21. Chickens	41234
22. Poultry	41234
23. Fish	41234
24. Aquaculture	41234
25. Irrigation	41234
26. Power	41234
27. Industry	41234
28. Commerce	41234
29. Education	41234
30. Health	41234
31. Recreation	41234
32. Culture	41234
33. Science	41234
34. Arts	41234
35. Sports	41234
36. Entertainment	41234
37. Media	41234
38. Information	41234
39. Communication	41234
40. Transportation	41234
41. Infrastructure	41234
42. Services	41234
43. Utilities	41234
44. Energy	41234
45. Environment	41234
46. Nature	41234
47. Wildlife	41234
48. Conservation	41234
49. Heritage	41234
50. History	41234
51. Culture	41234

REFERENCE DRAWINGS

REFERENCE DATA

1. Dam Type	Gravity
2. Dam Height	100 ft
3. Dam Length	1,000 ft
4. Dam Width	100 ft
5. Dam Slope	1:1
6. Dam Foundation	Rock
7. Dam Material	Concrete
8. Dam Construction	1960
9. Dam Design	ASCE
10. Dam Safety	1.5
11. Dam Seepage	0.001
12. Dam Settlement	0.01
13. Dam Vibration	0.01
14. Dam Temperature	70
15. Dam Humidity	70
16. Dam Wind	10
17. Dam Rain	10
18. Dam Snow	10
19. Dam Ice	10
20. Dam Earthquake	0.2
21. Dam Tsunami	0.2
22. Dam Landslide	0.2
23. Dam Flood	0.2
24. Dam Drought	0.2
25. Dam Fire	0.2
26. Dam Bomb	0.2
27. Dam Nuclear	0.2
28. Dam Chemical	0.2
29. Dam Biological	0.2
30. Dam Environmental	0.2
31. Dam Social	0.2
32. Dam Economic	0.2
33. Dam Political	0.2
34. Dam Cultural	0.2
35. Dam Historical	0.2
36. Dam Archaeological	0.2
37. Dam Anthropological	0.2
38. Dam Linguistic	0.2
39. Dam Ethnographic	0.2
40. Dam Ethnological	0.2
41. Dam Folkloric	0.2
42. Dam Mythological	0.2
43. Dam Religious	0.2
44. Dam Philosophical	0.2
45. Dam Psychological	0.2
46. Dam Sociological	0.2
47. Dam Anthropological	0.2
48. Dam Archaeological	0.2
49. Dam Anthropological	0.2
50. Dam Anthropological	0.2

REFERENCE DATA

TRANSWAL	DEPARTMENT OF WATER AFFAIRS	ERVENHOF
USUTU RIVER GOVERNMENT WATER SCHEME		
JERONG DAM: GENERAL PLAN		
PROJECT NO.	1000	REG. NO.
DATE	1960	45372/66
SCALE	1" = 100'	
DESIGNER	J. J. VAN DER MERWE	
CHECKER	J. J. VAN DER MERWE	
APPROVED	J. J. VAN DER MERWE	