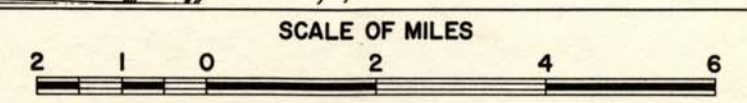


LEGEND			
Mapping Unit	Gross Area (1000 Acres)	Major Characteristics of Dominant Soil	Irrigation Suitability
1	4.3	Fine sandy loam overlying a friable light clay.	Suitable for spray or furrow irrigation only.
2	6.2	Deep undifferentiated sand or loamy sand.	Could only be utilised by spray irrigation of certain crops such as citrus.
3	2.2	Sand or loamy sand overlying a tough dense clay.	Generally unsuitable because of undesirable physical properties of sub soil.
4	28.6	Unstable clay loam surface overlying a tough dense clay.	Undesirable irrigation soil because of adverse physical properties
5	16.5	Loam or sandy clay loam overlying red-brown clay.	Fairly suitable for pastures or cereal crops.
6	5.6	Deeper loam or sandy clay loam overlying a brown clay.	Fairly suitable, but water requirements for pastures may be rather high.
7	61.5	Deep grey or grey-brown calcareous heavy clays.	Suitable for pastures lucerne and cereal crops.
8	14.7	Deep heavy clays with moderate gilgai micro relief.	Suitable subject to adequate land grading.
9	2.1	Deep dark grey, badly drained, heavy clays.	Unlikely to be considered as most occurrences are in swamps or drainage lines.
10	7.9	Brown or reddish brown clay loams with a variable development of ironstone nodules.	Unsuitable irrigation soils; much of the area not commandable.
11		Scalded	

Note: Soils of Existing Irrigation Area after G.H. Allen B.O.L. - 1952 (Adapted by F. Chippendale D.P.I. - 1966)

Other soils after R.F. Isbell B.O.L. - 1957 (Revised by A.A. Webb D.P.I. - 1966)

Existing Irrigation Area shown thus
 Proposed Extension Area " "



QUEENSLAND
 IRRIGATION AND WATER SUPPLY COMMISSION
 BALONNE RIVER
 ST. GEORGE IRRIGATION PROJECT-PROPOSED EXTENSION
 SOIL ASSOCIATION



Proj_code	Poly_mapcode	Description	Major Characteristics of Dominant Soil	Irrigation Suitability	Gross Area (1000 acres)
SGI	1	Sandy Alluvial Soil Association	Fine sandy loam overlaying a friable light clay.	Suitable for spray or furrow irrigation only.	4.3
SGI	2	Deep Sands Association	Deep undifferentiated sand or loamy sand.	Could only be utilised by spray irrigation of certain crops such as citrus.	6.2
SGI	3	Sandy Solodized-Solonetz Association	Sand or loamy sand overlying a tough dense clay.	Generally unsuitable because of undesirable physical properties of sub soil.	2.2
SGI	4	Weakly Solodized-Solonetz Association	Unstable clay loam surface overlying a tough dense clay.	Undesirable irrigation soil because of adverse physical properties.	28.6
SGI	5	Shallow Phase Red-Brown Earth Association	Loam or sandy clay loam overlying red-brown clay.	Fairly suitable for pastures or cereal crops.	16.5
SGI	6	Red-Brown Earth Association	Deeper loam or sandy clay loam overlying a brown clay.	Fairly suitable, but water requirements for pastures may be rather high.	5.6
SGI	7	Grey and Grey-Brown Clay Association	Deep grey or grey-brown calcareous heavy clays.	Suitable for pastures lucerne and cereal crops.	61.5
SGI	8	Gilgaied Grey Clay Association	Deep heavy clays with moderate gilgai micro relief.	Suitable subject to adequate land grading.	14.7
SGI	9	Hydromorphic Grey Clay Association	Deep dark grey, badly drained, heavy clays.	Unlikely to be considered as most occurrences are in swamps or drainage lines.	2.1
SGI	10	Lateritic Red-Earth Association	Brown or reddish brown clay loams with a variable development of ironstone nodules.	Unsuitable irrigation soils; much of the area not commandable.	7.9
SGI	11	Scalded			
SGI	12	Deep Sands Association/Sandy Solodized-Solonetz Association	A combination of the above descriptions	A combination of the above descriptions	
SGI	13	Weakly Solodized-Solonetz Association/Shallow Phase Red-BrownEarth Association	A combination of the above descriptions	A combination of the above descriptions	
SGI	14	Water			
SGI	15	Weakly Solodized-Solonetz Association/Grey and Grey-Brown Clay Association	A combination of the above descriptions	A combination of the above descriptions	