



Description of Soil Mapping Units	
SI4	Small stream flood-plains that rise gradually to moderately undulating marginal valley slopes: dominant soils of the level areas are loamy duplex soils (Dy2.43), (Dy2.33), (Dy3.43), and (Dy3.33). Associated are smaller areas of similar (Dd1) and (Db1) soils and local occurrences of clays (Ug5.24), (Ug5.14), and (Ug5.16). Some stream levees have deep sand soils (Uc1.21). The marginal valley slopes have alkaline (Dy2), (Dd1), and (Db1) soils with some uniform clays (Uf6.33 and Uf6.31). Upslope these soils merge into the cracking clays of unit CB3
Rq1	Strongly undulating or low hilly lands: dominant are gravelly mostly shallow loamy duplex soils with mottled clay subsoils (Db2.33) and (Db2.43). A wide range of other shallow duplex soils are associated, chiefly alkaline (Dy3), (Db1), (Dr2), and (Dy2) forms. Associated drainage lines have small flood-plains with loamy (Dy2.43) or (Dd1.43) soils together with small areas of clays (Ug5.24 and Ug5.25)
Mm6	Gently undulating or almost level plains: dominant soils are brown clays (Ug5.32 and Ug5.34) with important areas of grey clays (Ug5.22 and Ug5.24) and smaller areas of dark clays (Ug5.12). A slight (6-12 in.) gilgai microrelief may be present and some areas may have a surface veneer of silcrete (billy) gravel. The chief associated soils are loamy duplex soils (Db1.13 and Db1.33) and (Dd1.13 and Dd1.33). Small stream flood-plains have (Dy2.43) soils
Cb3	Dune and swale: dunes of leached sands (Uc2.3) and (Uc2.2) which increases in area in the northern portion of the unit, shallow red-brown sandy soils (Uc6.13), and exposed limestone; swales of sandy alkaline yellow mottled soils (Dy5.43(2) and Dy5.83(2)) and lesser areas of hard alkaline red soils (Dr2.23) and hard alkaline yellow soils (Dy2.23). Swamps in low-lying situations. This unit gradually merges into Cb4

Tenement	Atlas PL 209 & PL 445
Project	Surat Basin
Title	Louisiana EA Amendment Map
Landholder	As shown
Property	As shown
Function	Environmental
Description	Issued for Use
Date	04/11/24
Revision	0
Requested by	PW
Prepared by	SR
Reviewed by	PW
Approved by	PW
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0 250 500 1,000 Meters

1:46,000
GDA2020

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Well Data - Pipeline into GPINFD 2024
Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

- Legend:**
- Indicative Conceptual Dam Sites
 - Sensitive Receptor
 - Main Road
 - Local Road
 - Watercourse (Stream Order 3-4)
 - Watercourse (Stream Order 5+)
 - Property Boundary
 - PL Boundary
 - Road Reserve
 - Boundary Watercourse
- Soil Mapping Unit**
- CB3
 - MM6
 - Rq1
 - SI4

