## FRANCISTOWN Soil Mapping and Advisory Service Project BOT/80/003 FAO/UNDP/GOVT. OF BOTSWANA Topography based on Surveys and Lands Sheet No. SF-35-7 with Project amendments Printed by the Govt. Printer, Gaborone. 1984 Republic of Botswana Soil Surveyor J.H. Venema (FAO) Cartographer K.A.M. de Alwis (UNV) Team Leader G.R. Suggett (FAO) SCALE 1:250 000 Land Utilisation Division, Ministry of Agriculture, Gaborone SHEET LOCALITY DIAGRAM INDEX TO ADJOINING SHEETS TOPOGRAPHICAL LEGEND SF-35-2 River, Stream SF-35-6 - Fossil Valley Other Village Dam SF-35-10 Borehole or Well The designations employed and the presentation of the material in this map do not imply the expression of any opinion whatsoever on the part of the United Nations or the Food and Agricultural Organization of the United Nations concerning the legal or constitutional status of any country or territory or concerning the delimitation of frontiers. Area Liable to Inundation Secondary Road

	LEGEND	
SYMBOL	SOIL DESCRIPTION AND TOPOGRAPHY	CLASSIFICATION
A1	Deep to very deep, poorly to imperfectly drained, dark grayish brown to very dark gray clay.  Flat to almost flat.	Pellic Vertisol partly sodic
A3	Deep to very deep, imperfectly drained, dark grayish brown sandy clayloam to clay.  Flat to slightly undulating.	Vertic Cambisol
A4	Mod deep to very deep,imperfectly to mod well drained,dark grayish brown to brown sandy loam to sandy clay.  Flat to slightly undulating.	Calcaric Cambisol
A4b	Mod deep to very deep, imperfectly to mod well drained, dark grayish brown to brown clayloam to clay.  Flat to slightly undulating.	Calcic Cambisol
A4c	Mod deep to very deep, mod well drained,grayish brown to brown sandy loam to sandy clayloam.	Calcic Cambisol
A7	Flat to undulating.  Deep to very deep,poorly to imperfectly drained,dark gray to grayish brown sandy clayloam to clay.	Gleyic Luvisol
	Flat.  Deep to very deep,imperfectly to mod well drained,dark brown sandy clayloam to clay.	partly sodic
A9	Flat to slightly undulating  Mod deep to deep, mod, well to well drained, dark red to strong brown sandy loam to sandy clayloam	Calcic Luvisol
A13	Almost flat to undulating:  Mod. deep to very deep ,mod well to well drained, dark brown to yellowish brown sandy loam to sandy clay.	Chromic Luvisol
A14	Flat to undulating.  Mod. deep to very deep, mod. well to well drained, brown to yellowish brown loamy sands.	Orthic Luvisol
A20	Flat to undulating.	Calcaric Arenosol
A22	Deep to very deep, well to somewhat excessively drained, yellowish brown to dark brown loamy sands.  Flat to slighly undulating.	Eutric Arenosol
A24a	Very deep, poorly drained, pale brown to brown sands to loamy sands.  Flat ( channels )	Arenic Eutric Fluvisol
A33	Very deep,well drained,dark brown to brown (fine) sandy loam .  Almost flat to slightly undulating, (natural levees).	Eutric Cambisol
B1	Very shallow to shallow well to somewhat excessively drained, reddish brown to dark brown sandy loam to clayloam.  Undulating to hilly.	Eutric Regosol lithic
B1a	As B1,but almost flat.	Eutric Regosol
B2	Shallow to mod. deep,well drained,red to strong brown sandy loam to clayloam.  Undulating to rolling (mainly on dolerites).	Chromic Luvisol partly petric and lithic
B5b	Shallow to mod. deep well drained reddish brown to strong brown sandy clayloam to sandy clay.  Undulating to rolling (mainly on basalt).	Chromic Cambisol partly petric, some lithic
В5с	As B5b, but with aridic moisture regime Luvic Xerosol.	Luvic Xerosol
B6c	Shallow to mod. deep, well drained, dark brown to reddish brown clayloam to clay.  Undulating to rolling (on basalt).	Calcic Luvic Xerosol partly petric, some lith
В9	Mod. deep to deep, poorly to imperfectly drained, very dark grayish brown to black clay.  Flat to almost flat.	Pellic Vertisol partly sodic
СЗ	Very shallow to shallow mod. well to well drained dark yellowish brown to reddish brown sands to loamy sands.  Flat to undulating.	Petrocalcic Arenosol litho-petrocalcic
C4	Shallow to mod deep, imperfectly to well drained very dark gray to reddish brown sandy loam to clayloams.  Flat to undulating.	Calcic Cambisol partly petrocalcic
D1a	Very shallow to mod deep, well drained, yellowish brown to reddish brown sandy loam to clayloam.	Eutric Regosol
D1b	Undulating to hilly.  As D1a	petric, partly lithic  Calcaric Regosol
D5a	Deep to very deep,mod. well drained, reddish yellow to yellowish red sandy loams and sandy clayloams.  Flat to slightly undulating.	Chromic/Ferric Luvisol
D7	Massive, mod. deep to deep,mod. well drained,dark brown to yellowish brown sandy loams to clayloams.  Flat to slightly undulating.	Ferric/Orthic Luvisol partly petric/petroferric
D9	Deep,mod.well drained, reddish brown to dark yellowish brown sandy clayloam to sandy clay.	Calcic Luvisol
D10	Flat to undulating.  Very deep,mod.well to well drained,red sandy loams to sandy clayloams.	Eutric Nitosol/Ferric Luvi
19-77-20	Flat to undulating.  Very shallow to shallow,mod.well to somewhat excessively drained,grayish brown to yellowish red sands to sandy loam.	Eutric Regosol
G1a	Undulating to rolling.  Mod.deep,mod. well to well drained.,dark grayish brown to reddish brown sands to sandy loams	Dystric Regosol
G1b	Almost flat to rolling	shallow petric
G1c G1d	As G1b ·	Eutric Regosol  Calcaric Regosol
G2a	Mod.deep to deep,,mod.well to well drained,dark grayish brown to reddish brown loamy sands.  Almost flat to undulating.	Eutric Regosol petric
G2b	Mod.deep to deep,mod.well to well drained,brown to yellowish red.sandy loams.	Ferralic Cambisol
G2c	Almost flat to undulating.  Mod.deep ,mod. well to well drained,strong brown to red sandy loam to sandy clay loam.	Chromic Luvisol
	Undulating.	petric Ferric Luvisol
G2d	As G2c,including grayish brown.	petric or or petroferric
G2e	As G2c/G2d, but with aridic soil moisture regime.	petric or petoferric
G3	Mod.deep to deep,imperfectly to mod.well drained,pale brown to (light) gray massive sands to to loamy sands.  Flat to slightly undulating	Albic Arenosol
G3a	As G3,but including sandy loams and partly gravelly or petroferric.	Eutric Regosol partly petric or petrofer
G10	Deep to very deep, imperfectly to mod. well drained, yellowish red to strong brown sandy clayloam to clay.  Flat to almost flat.	Chromic Luvisol
G10a	As G10, but (dark) brown and imperfectly drained.	Orthic Luvisol
S1a	Moderately deep, somewhat excessively drained, yellowish red to yellowish or dark reddish brown sands and loamy sands.  Undulating to hilly.	Ferralic Arenosol
S1b	Shallow to moderately deep, somewhat excessively drained, brownish yellow to yellowish red sands and loamy sands.  Undulating to hilly.	Arenic Eutric Regosol petric
S5	Deep to very deep, well to somewhat excessively drained, red to strong brown fine sands to loamy fine sands, Flat to undulating.	Ferralic Arenosol
S11	Very deep,well to somewhat excessively drained,red to yellowish red and dark brown loamy fine sands to fine sandy loams.  Flat to undulating.	Arenic Eutric Nitosol
S12	Deep to very deep,well to somewhat excessively drained,red to yellowish red loamy fine sands over sandy loams.	Arenic Calcic Luvisol
S13	Flat to undulating.  Moderately deep to very deep,well to somewhat excessively drained, yellowish red to grayish brown sands and loamy sands, having a calcic hor. within 125 cm.	Calcic Arenosol
	Flat to undulating.	
S13a S17	As S13,but having a petrocalcic hor, within 125 cm.  Deep to very deep,well to somewhat excessively drained,light yellowish brown to dark grayish brown fine sands to loamy fine sands (non calcareous between 50 and 100 cm).  Flat to undulating.	Petrocalcic Arenosol  Eutric Arenosol
R	A-SOILS ON ALLUVIAL DEPOSITS  C-SOILS ON HIGHLY CALCAREOUS MATERIALS  G-SOILS ON ACID IGNEOUS AND METAMORPHIC ROCKS  R-VERY SHALLOW SOILS ON STEEP HILLS, RIDGES AND ESCARPMENTS	