



ETHIOPIA - FRANCE COOPERATIVE PROGRAM
WABI SHEBELLE SURVEY

IN COLLABORATION WITH
 FRENCH MINISTRY OF FOREIGN AFFAIRS
 NATIONAL WATER RESOURCES COMMISSION
 BCEOM, ORSTOM, ED IGN, BDP

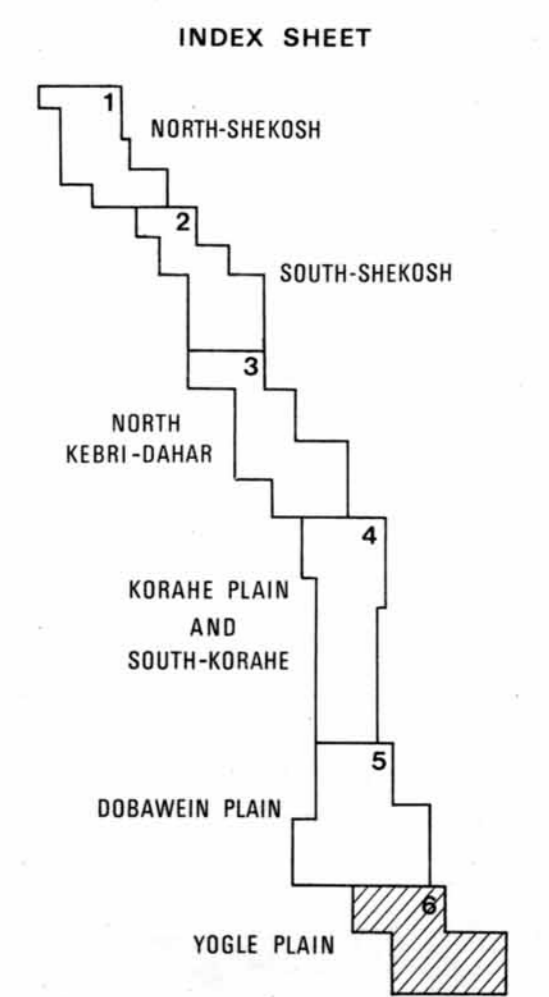
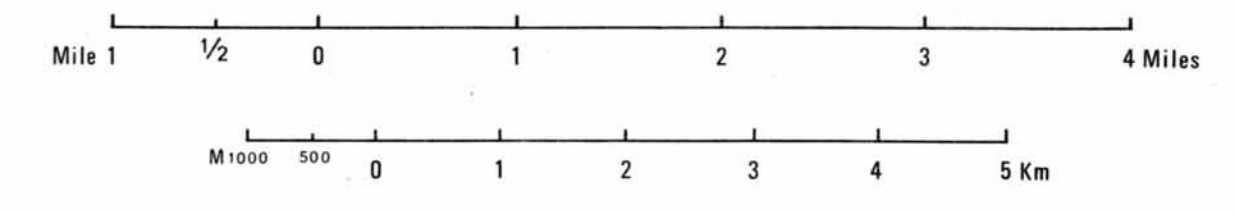
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SOILS MAP - CARTE DES SOLS
Fafen Valley - Vallée du Fafen

YOGLE PLAIN
 LAST DEPRESSION OF FAFEN

JUNE 1973
 MAP N°6



Scale 1:60 000 approximate



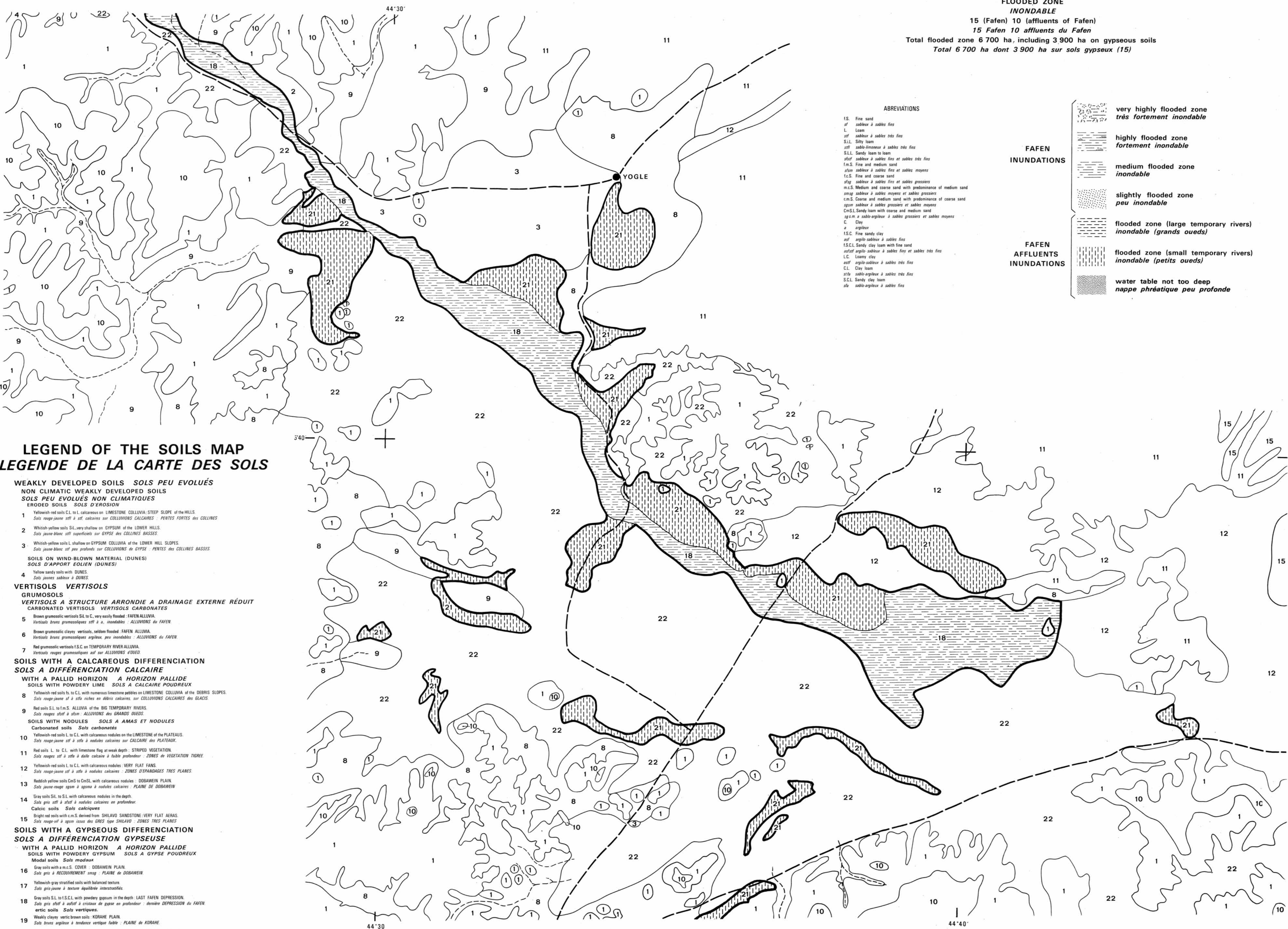
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FLOODED ZONE
INONDABLE
 15 (Fafen) 10 (affluents of Fafen)
 15 Fafen 10 affluents du Fafen
 Total flooded zone 6 700 ha, including 3 900 ha on gypseous soils
 Total 6 700 ha dont 3 900 ha sur sols gypseux (15)

- ABBREVIATIONS**
- f.S. Fine sand
 - sf. Silt
 - L. Loam
 - S.L. Silty loam
 - m.S. Fine and medium sand
 - c.S. Coarse and medium sand
 - m.C.S. Medium and coarse sand
 - C. Clay
 - S.C. Silty clay
 - L.C. Loamy clay
 - C.L. Clay loam
 - S.C.L. Silty clay loam
 - S.L. Silty loam
 - S.S. Silty sand
 - S.S.L. Silty loam to loam
 - f.m.S. Fine and medium sand
 - f.c.S. Fine and coarse sand
 - m.c.S. Medium and coarse sand
 - m.c.S.L. Medium and coarse sand with predominance of medium sand
 - c.m.S. Coarse and medium sand with predominance of coarse sand
 - Cm.S.L. Coarse and medium sand with predominance of coarse sand and silty loam
 - C. Clay
 - S.C. Silty clay
 - L.C. Loamy clay
 - C.L. Clay loam
 - S.C.L. Silty clay loam
 - S.L. Silty loam
 - S.S. Silty sand

- FAFEN INUNDATIONS**
- very highly flooded zone
très fortement inondable
 - highly flooded zone
fortement inondable
 - medium flooded zone
inondable
 - slightly flooded zone
peu inondable
 - flooded zone (large temporary rivers)
inondable (grands oueds)
 - flooded zone (small temporary rivers)
inondable (petits oueds)
 - water table not too deep
nappe phréatique peu profonde

FAFEN AFFLUENTS INUNDATIONS



LEGEND OF THE SOILS MAP
LEGENDE DE LA CARTE DES SOLS

- WEAKLY DEVELOPED SOILS SOLS PEU EVOLUÉS**
NON CLIMATIC WEAKLY DEVELOPED SOILS
SOLS PEU EVOLUÉS NON CLIMATIQUES
ERODED SOILS SOLS D'ÉROSION
- 1 Yellowish-red soils C.L. to L. calcareous on LIMESTONE COLLUVIA: STEEP SLOPE of the HILLS.
Sols rougeâtre-rouge à silt calcareux sur COLLUVIUMS CALCAIRES: PENTES FORTES des COLLINES
 - 2 White-yellow soils S.L. very shallow on GYPSUM of the LOWER HILLS.
Sols jaune-blanc à silt superficiels sur GYPSE des COLLINES BASSES
 - 3 White-yellow soils L. shallow on GYPSUM COLLUVIA of the LOWER HILL SLOPES.
Sols jaune-blanc: silt peu profonds sur COLLUVIUMS de GYPSE: PENTES des COLLINES BASSES
- SOILS ON WIND-BLOWN MATERIAL (DUNES)**
SOLS D'APPORT ÉOLIEN (DUNES)
- 4 Yellow sandy soils with DUNES.
Sols jaunes sableux à DUNES
- VERTISOLS VERTISOLS**
GRUMOSOLS
VERTISOLS A STRUCTURE ARRONDIE A DRAINAGE EXTERNE RÉDUIT
CARBONATED VERTISOLS VERTISOLS CARBONATÉS
- 5 Brown grumose vertisols Sd to C, very easily flooded: FAFEN ALLUVIA.
Vertisols bruns grumoseux: silt à s. inondables: ALLUVIUMS du FAFEN
 - 6 Brown grumose clayey vertisols, seldom flooded: FAFEN ALLUVIA.
Vertisols bruns grumoseux argileux, peu inondables: ALLUVIUMS du FAFEN
 - 7 Red grumose vertisols f.S.C. on TEMPORARY RIVER ALLUVIA.
Vertisols rouges grumoseux: silt sur ALLUVIUMS d'OUED
- SOILS WITH A CALCAREOUS DIFFERENTIATION**
SOLS A DIFFÉRENCIATION CALCAIRE
- WITH A PALLID HORIZON A HORIZON PALLIDE**
SOILS WITH POWDERY LIME SOLS A CALCAIRE POWDREUX
- 8 Yellowish-red soils L.C. with numerous limestone nodules on LIMESTONE COLLUVIA of the DEBRIS SLOPES.
Sols rougeâtre-rouge à silt riches en débris calcaires, sur COLLUVIUMS CALCAIRES des GLACIS
 - 9 Red soils S.L. to m.S. ALLUVIA of the BIG TEMPORARY RIVERS.
Sols rouges: silt à silt: ALLUVIUMS des GRANDS OUEDS
- SOILS WITH NODULES SOLS A AMAS ET NODULES**
CARBONATED SOILS SOLS CARBONATÉS
- 10 Yellowish-red soils L. to C.L. with calcareous nodules on the LIMESTONE of the PLATEAU.
Sols rougeâtre-rouge à silt à nodules calcaires sur CALCAIRE des PLATEAUX
 - 11 Red soils L. to C.L. with limestone flag at weak depth: STRIPED VEGETATION.
Sols rouges: silt à silt à dalle calcaire à faible profondeur: ZONES de VEGETATION TIRÉE
 - 12 Yellowish-red soils L. to C.L. with calcareous nodules: VERY FLAT FANS.
Sols rougeâtre-rouge à silt à nodules calcaires: ZONES D'ÉPANDEMENT TRÈS PLANES
 - 13 Reddish yellow soils Cm.S. to Cm.S.L. with calcareous nodules: DOBAWEIN PLAIN.
Sols jaune-rouge argileux à argile à nodules calcaires: PLAINE DE DOBAWEIN
 - 14 Gray soils Sd. to S.L. with calcareous nodules in the depth.
Sols gris: silt à silt à nodules calcaires en profondeur
- Calcareous soils: SOLS CALCAIRES**
- 15 Bright red soils with m.S. derived from SHILAVO SANDSTONE: VERY FLAT AREAS.
Sols rouge-rouge à argile issus des GRES type SHILAVO: ZONES TRÈS PLANES
- SOILS WITH A GYPSEOUS DIFFERENTIATION**
SOLS A DIFFÉRENCIATION GYPSEUSE
- WITH A PALLID HORIZON A HORIZON PALLIDE**
SOILS WITH POWDERY GYPSUM SOLS A GYPSE POWDREUX
- Medial soils: SOLS MÉDIAUX**
- 16 Gray soils with m.C.S. COVER: DOBAWEIN PLAIN.
Sols gris à RECOUVERTEMENT: silt: PLAINE de DOBAWEIN
 - 17 Yellowish-gray stratified soils with balanced texture.
Sols gris-jaune à texture équilibrée: interstratifiés
 - 18 Gray soils S.L. to f.S.C.L. with powdery gypsum in the depth: LAST FAFEN DEPRESSION.
Sols gris: silt à silt à croute de gypse en profondeur: dernière DÉPRESSION du FAFEN
 - 19 Weakly clayey vertic brown soils: KORAHE PLAIN.
Sols bruns argileux à tendance vertique faible: PLAINE de KORAHE
 - 20 Vertic red soils C.L. to C. with gypsum accumulations in the depth: DOBAWEIN PLAIN.
Sols rouges vertiques: silt à s. accumulations de gypse en profondeur: PLAINE de DOBAWEIN
 - 21 Vertic red soils Sd. (MACHILA soils) ALLUVIAL FANS of the TEMPORARY RIVERS.
Sols rouges: silt à tendance vertique: silt (sols à MACHILA): ALLUVIUMS FINALES des OUEDS
- SOILS WITH A GYPSUM CRUST SOLS ENCROUTES (A CROUTE DE GYPSE)**
- 22 Reddish-yellow soils L. with GYPSUM crust of 80 cm on FLAT FANS.
Sols jaune-rouge à croute de GYPSE à 80 cm sur ZONES PLANES D'ÉPANDEMENT
- HYDROMORPHIC SOILS SOLS HYDROMORPHES**
MEDIUM ORGANIC SOILS SOLS MOYENNEMENT ORGANIQUES
HUMIC GLEY SOILS SOLS HUMIQUES A GLEY
- 23 Brown to reddish-brown medium ORGANIC hydromorphic soils, C, very easily flooded: FAFEN ALLUVIA.
Sols hydromorphes moyennement ORGANIQUES bruns à brun-rouge à s. très inondables: ALLUVIUMS du FAFEN