

Major Land Resource Area 078B

Central Rolling Red Plains, Western Part

Accessed: 06/18/2026

Ecological site keys

MLRA 78B

I. Uplands

- A. >30% surface gravel ... R078BY075TX – Gravelly 20-24" PZ
- B. <30% surface gravel
 - 1. >20% slopes
 - i. Over claystone ... R078BY094TX – Clayey Breaks
 - ii. Not over claystone ... R078BY084TX – Rough Breaks 19-26" PZ
 - 2. <20% slopes
 - i. <20 inches to restrictive layer
 - a. Over claystone ... R078BY092TX – Very Shallow Clay 19-26" PZ
 - b. Over sandstone
 - 1) <10 inches to bedrock ... R078BY701TX – Shallow Sandstone 19-26" PZ
 - 2) >10 inches to bedrock ... R078BY089TX – Shallow 19-26" PZ
 - c. Over limestone/caliche ... R078BY091TX – Very Shallow 19-26" PZ
 - d. Over gypsum ... R078BY076TX – Gyp 19-26" PZ
 - ii. >20 inches to restrictive layer
 - a. <40 inches to claystone ... R078BY090TX – Shallow Clay 19-26" PZ
 - b. >40 inches to claystone
 - 1) Soils ponded / depressional areas ... R078BY078TX – Lakebed 19-26" PZ
 - 2) No ponding or depressional areas
 - a) Sandy surface FS, LFS
 - (1) With argillic horizon/lamellae
 - (a) Sandy surface more than 50cm ... R078BY086TX – Sandy 19-26" PZ
 - (b) Sandy surface less than 50cm ... R078BY082TX – Loamy Sand 19-26" PZ
 - (2) No argillic horizon/lamellae ... R078BY085TX – Sand Hills 19-26" PZ
 - b) Sandy loam surface FSL ... R078BY088TX – Sandy Loam 19-26" PZ
 - c) Clay loam surface CL ... R078BY072TX – Clay Loam 19-26" PZ
 - d) Clay surface ... R078BY071TX – Clay Flat 19-26" PZ

e) Loamy surface

(1) **Calcareous soils** ... R078BY079TX – Loamy 19-26" PZ

(2) **Non-calcareous soils** ... R078BY081TX – Loamy Upland 19-26" PZ

II. Floodplains

A. Water table <30 inches from surface ... R078BY093TX – Wet Bottomland 19-26" PZ

B. Water table >30 inches from surface

1. **Clay surface texture** ... R078BY070TX – Clayey Bottomland 19-26" PZ

2. **Sandy surface texture** ... R078BY087TX – Sandy Bottomland 19-26" PZ

3. **Loamy surface texture**

i. **head of drainageways, rare flooding** ... R078BY074TX – Draw 19-26" PZ

ii. **Commonly flooded bottomlands** ... R078BY080TX – Loamy Bottomland 19-26" PZ