SOIL INTERPRETATIONS RECORD

29A

ROCK OUTCROP-XERUMBREPTS COMPLEX, UNDULATING*
XERUMBREPTS PART

Xerumbrepts consist of shallow, well drained, medium textured soils. Depth to igneous rock is 10 to 19 inches. Precipitation is about 40 to 50 inches. Slopes are 0 to 10 percent.

D - most

ESTIMATED SOIL PROPERTIES

DEPTH (IN.)	USDA TEXTURE	UNIFIED	AASHTO	FRACT >3 IN (PCT)	PERCENT OF MATERIAL LESS THAN 3" PASSING SIEVE NO. 4	10	40	200	LIQUID LIMIT	PLASTICITY INDEX
0-19 19	L, SiL UWB	CL-ML, CL	A-4	0	95-100	90-100	75-100	55-75	20-30	5-10

DEPTH (IN.)	CLAY (PCT)	MOIST BULK DENSITY (G/CM3)	PERMEABILITY (IN/HR)	AVAILABLE WATER CAPACITY (IN/IN)	SOIL REACTION (PH)	SALINITY (MMHOS/CM)	SHRINK-SWELL POTENTIAL	EROSION FACTORS K	T	WIND EROD. GROUP	ORGANIC MATTER (PCT)	CORROSIVITY STEEL	CONCRETE
	15-25	1.20-1.40	0.6-2.0	0.19-0.21	5.6-6.0	-	Low	.20	1	-	1-3	Moderate	Moderate

FLOODING FREQUENCY	DURATION	MONTHS	HIGH WATER TABLE DEPTH (FT)	KIND	MONTHS	CEMENTED PAN DEPTH (IN)	HARDNESS	BEDROCK DEPTH (IN)	HARDNESS	SUBSIDENCE INIT. (IN)	TOTAL (IN)	HYD GRP	POTENT'L FROST ACTION
None	-	-	> 6	-	-	-	-	19	Hard	-	-	D	-

Columbia River

SANITARY FACILITIES

SEPTIC TANK ABSORPTION FIELDS	Severe - Depth to Bedrock
SEWAGE LAGOON AREAS	Severe - Depth to Bedrock
SANITARY LANDFILL (TRENCH)	Severe - Depth to Bedrock
SANITARY LANDFILL (AREA)	Severe - Depth to Bedrock
DAILY COVER FOR LANDFILL	Poor - Area Reclaim

BUILDING SITE DEVELOPMENT

SHALLOW EXCAVATIONS	Severe - Depth to Bedrock
DWELLINGS WITHOUT BASEMENTS	Severe - Depth to Bedrock
DWELLINGS WITH BASEMENTS	Severe - Depth to Bedrock
SMALL COMMERCIAL BUILDINGS	Severe - Depth to Bedrock
LOCAL ROADS AND STREETS	Severe - Depth to Bedrock
LAWNS, LANDSCAPING AND GOLF FAIRWAYS	Severe - Thin Layer

CONSTRUCTION MATERIAL

ROADFILL	Poor - Depth to Bedrock
SAND	Improbable Source
GRAVEL	Improbable Source
TOPSOIL	Poor - Area Reclaim, Thin Layer

WATER MANAGEMENT

POND RESERVOIR AREA	Severe - Depth to Bedrock
EMBANKMENTS DIKES AND LEVEES	Severe - Thin Layer
EXCAVATED PONDS AQUIFER FED	Severe - No Water
DRAINAGE	Deep to Water
IRRIGATION	Depth to Rock
TERRACES AND DIVERSIONS	Depth to Rock
GRASSED WATERWAYS	Depth to Rock

REGIONAL INTERPRETATIONS

USEPA SF
1443774

ROCK OUTCROP-XERUMBREPTS COMPLEX, UNDULATING*
XERUMBREPTS PART

RECREATIONAL DEVELOPMENT

CAMP AREAS	Severe - Depth to Rock	PLAYGROUNDS	Severe - Depth to Rock
PICNIC AREAS	Severe - Depth to Rock	PATHS AND TRAILS	Moderate - Dusty

CAPABILITY AND YIELDS PER ACRE OF CROPS AND PASTURE (HIGH LEVEL MANAGEMENT)

	CAPABILITY															
	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.
All	6S															

WOODLAND SUITABILITY

	ORD SYM	MANAGEMENT PROBLEMS: EROSION HAZARD	EQUIP. LIMIT	SEEDLING MORT'Y.	WINDTH. HAZARD	PLANT COMPET.	POTENTIAL PRODUCTIVITY: COMMON TREES	SITE INDX	TREES TO PLANT
							None		

WINDBREAKS

SPECIES	HT	SPECIES	HT	SPECIES	HT	SPECIES	HT
None							

WILDLIFE HABITAT SUITABILITY

	POTENTIAL FOR HABITAT ELEMENTS: GRAIN & SEED	GRASS & LEGUME	WILD HERB.	HARDWD TREES	CONIFER PLANTS	SHRUBS	WETLAND PLANTS	SHALLOW WATER	POTENTIAL AS HABITAT FOR: OPENLD WILDLF	WOODLD WILDLF	WETLAND WILDLF	RANGELD WILDLF
All	Poor	Poor	Fair	Fair	Fair	Fair	Poor	V. Poor	Poor	Fair	V. Poor	-

POTENTIAL NATIVE PLANT COMMUNITY (RANGELAND OR FOREST UNDERSTORY VEGETATION)

COMMON PLANT NAME	PLANT SYMBOL (NLSPN)	PERCENTAGE COMPOSITION (DRY WEIGHT)				
Oregon White Oak	QUGA4					
Common Snowberry	SYAL					
Pacific Poison Oak	RHDI					
Other Annual Grasses	AAGG					
Other Annual Forbs	AAFF					
Rose	ROSA					
POTENTIAL PRODUCTION (LBS./AC. DRY WT):						
FAVORABLE YEARS						
NORMAL YEARS						
UNFAVORABLE YEARS						

FOOTNOTES

SOIL INTERPRETATIONS RECORD

30A SAUVIE SILT LOAM

THE SAUVIE SERIES CONSISTS OF POORLY-DRAINED SOILS FORMED IN RECENT SILTY ALLUVIUM. TYPICALLY, THE SURFACE LAYER IS VERY DARK GRAYISH-BROWN SILTY CLAY LOAM, ABOUT 15 INCHES THICK. THE SUBSOIL IS DARK GRAYISH- BROWN MOTTLED SILTY CLAY LOAM, ABOUT 24 INCHES THICK. THE SUBSTRATUM IS DARK GRAYISH-BROWN MOTTLED VERY FINE SANDY LOAM, ABOUT 21 INCHES THICK. ELEVATIONS RANGE FROM 10 TO 20 FEET. THE AAPPT IS 40 TO 60 INCHES. THE AAAT IS 52 TO 54F. THE AFFP IS 165 TO 210 DAYS.

ESTIMATED SOIL PROPERTIES

DEPTH (IN.)	USDA TEXTURE	UNIFIED	AASHTO	FRACT >3 IN (PCT)	PERCENT OF MATERIAL LESS THAN 3" PASSING SIEVE NO. 4	10	40	200	LIQUID LIMIT	PLASTICITY INDEX
0-10	SIL	ML	A-6, A-4	0	100	100	95-100	85-95	30-40	5-15
10-29	SICL	ML	A-6	0	100	100	95-100	85-95	35-40	10-15
29-60	SR-SL-SIL	ML, SM	A-4	0	100	100	80-95	45-65	20-30	NP-5

DEPTH (IN.)	CLAY (PCT)	MOIST BULK DENSITY (G/CM3)	PERMEABILITY (IN/HR)	AVAILABLE WATER CAPACITY (IN/IN)	SOIL REACTION (PH)	SALINITY (MMHOS/CM)	SHRINK-SWELL POTENTIAL	EROSION FACTORS K	T	WIND EROD. GROUP	ORGANIC MATTER (PCT)	CORROSIVITY STEEL	CONCRETE
0-10	15-35	1.20-1.40	0.2-0.6	0.19-0.21	5.6-6.5	-	LOW	.32	5	-	2-4	MODERATE	MODERATE
10-29	27-35	1.20-1.40	0.2-0.6	0.19-0.21	5.6-6.5	-	MODERATE	.32					
29-60	7-20	1.20-1.40	2.0-6.0	0.15-0.17	5.6-6.5	-	LOW	.32					

FLOODING FREQUENCY	DURATION	MONTHS	HIGH WATER TABLE DEPTH (FT)	KIND	MONTHS	CEMENTED PAN DEPTH (IN)	HARDNESS	BEDROCK DEPTH (IN)	HARDNESS	SUBSIDENCE INIT. (IN)	TOTAL (IN)	HYD GRP	POTENT'L FROST ACTION
FREQUENT	LONG	DEC-JUN	0-1.0	APPARENT	MAY-JUN	-		>60		-		C/D	-

SANITARY FACILITIES

SEPTIC TANK ABSORPTION FIELDS	SEVERE-FLOODING,WETNESS,PERCS SLOWLY
SEWAGE LAGOON AREAS	SEVERE-SEEPAGE,FLOODING,WETNESS
SANITARY LANDFILL (TRENCH)	SEVERE-FLOODING,SEEPAGE,WETNESS
SANITARY LANDFILL (AREA)	SEVERE-FLOODING,SEEPAGE,WETNESS
DAILY COVER FOR LANDFILL	POOR-WETNESS

BUILDING SITE DEVELOPMENT

SHALLOW EXCAVATIONS	SEVERE-WETNESS
DWELLINGS WITHOUT BASEMENTS	SEVERE-FLOODING,WETNESS
DWELLINGS WITH BASEMENTS	SEVERE-FLOODING,WETNESS
SMALL COMMERCIAL BUILDINGS	SEVERE-FLOODING,WETNESS
LOCAL ROADS AND STREETS	SEVERE-LOW STRENGTH,WETNESS,FLOODING
LAWNS, LANDSCAPING AND GOLF FAIRWAYS	SEVERE-WETNESS,FLOODING

CONSTRUCTION MATERIAL

ROADFILL	POOR-WETNESS
SAND	IMPROBABLE-EXCESS FINES
GRAVEL	IMPROBABLE-EXCESS FINES
TOPSOIL	POOR-WETNESS

WATER MANAGEMENT

POND RESERVOIR AREA	SEVERE-SEEPAGE
EMBANKMENTS DIKES AND LEVEES	SEVERE-THIN LAYER,WETNESS
EXCAVATED PONDS AQUIFER FED	SEVERE-SLOW REFILL
DRAINAGE	FLOODING
IRRIGATION	WETNESS,FLOODING
TERRACES AND DIVERSIONS	WETNESS
GRASSED WATERWAYS	WETNESS

REGIONAL INTERPRETATIONS

RECREATIONAL DEVELOPMENT

CAMP AREAS	SEVERE-FLOODING,WETNESS	PLAYGROUNDS	SEVERE-WETNESS,FLOODING
PICNIC AREAS	SEVERE-WETNESS	PATHS AND TRAILS	SEVERE-WETNESS

CAPABILITY AND YIELDS PER ACRE OF CROPS AND PASTURE (HIGH LEVEL MANAGEMENT)

	CAPA-BILITY		PASTURE (AUM)													
	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.	NIRR	IRR.
	6W		8													

WOODLAND SUITABILITY

ORD SYM	MANAGEMENT PROBLEMS: EROSION HAZARD	EQUIP. LIMIT	SEEDLING MGRT'Y.	WINDTH. HAZARD	PLANT COMPET.	POTENTIAL PRODUCTIVITY: COMMON TREES	SITE INDX	TREES TO PLANT
						NONE		

WINDBREAKS

SPECIES	HT	SPECIES	HT	SPECIES	HT	SPECIES	HT
NONE							

WILDLIFE HABITAT SUITABILITY

POTENTIAL FOR HABITAT ELEMENTS: GRAIN & SEED	GRASS & LEGUME	WILD HERB.	HARDWD TREES	CONIFER PLANTS	SHRUBS	WETLAND PLANTS	SHALLOW WATER	POTENTIAL AS HABITAT FOR: OPENLD WILDLF	WOODLD WILDLF	WETLAND WILDLF	RANGELD WILDLF
POOR	FAIR	FAIR	GOOD	GOOD	GOOD	FAIR	FAIR	FAIR	GOOD	FAIR	-

POTENTIAL NATIVE PLANT COMMUNITY (RANGELAND OR FOREST UNDERSTORY VEGETATION)

COMMON PLANT NAME	PLANT SYMBOL (NLSPN)	PERCENTAGE COMPOSITION (DRY WEIGHT)				

POTENTIAL PRODUCTION (LBS./AC. DRY WT):					
FAVORABLE YEARS					
NORMAL YEARS					
UNFAVORABLE YEARS					

FOOTNOTES