SURFACE GEOLOGY (a)  SOILS (b) (c) (d) (d)  Marine shales and reliated mudatones and siltatones  Actives  Soil S (c) (d) (e) (d) (d)  Marine shales and reliated mudatones and siltatones  Active S  Moderate mudatones and siltatones  Moderately fractured  Moderately		Subve	tershed		Name		Condit
SURFACE GEOLOGY (a) (b) (c) (c) (d) (d) (d) (d) (e) (d) (d) (e) (d) (d) (e) (d) (e) (d) (e) (d) (d) (e) (d) (e) (d) (e) (d) (d) (e) (d) (e) (d) (d) (e) (d) (e) (d) (e) (d) (e) (d) (d) (e) (d) (d) (d) (e) (d) (e) (d) (d) (e) (d) (d) (e) (d) (e) (d) (e) (d) (e) (d) (d) (e) (d) (e) (d) (d) (e) (d) (e) (d) (e) (d) (d) (e) (d) (d) (e) (d) (e) (d) (e) (d) (d) (d) (e) (e) (d) (e) (d) (e) (e) (d) (e) (d) (e) (e) (e) (fill) (f		DC		- 18		e	
(a) (10)  (b) (c) (d) (d) (d) (d) (e) (e) (d) (final position of several position positio		SEDIM	ENT YIELI	FACTOR	RATING	100	
a. Marine shales and related mudstones and siltatones and siltatones and siltatones and siltatones and siltatones and siltatones (a)  5. Fine textured; easilisation of several days' dustiline with shrinks well characteristics b. Single grain silts and fine sands rolline sands fine sands rolline							
dispersed; saline-sitistones   days' dustion with statistones   days' dustion   days' du				(10)			(20)
Additionated to the state of medium hardness of moderate to the state of the state	lated mudstones and	ly dispersed; saline- alkaline; high shrink- swell characteristics b. Single grain silts and	days' construction days' constru	iuration with eriods of in- infall t Intense con- storms	b. Large volume		no floodplain devel
Massive, hard formations  a. High percentage of rock fragments stream can be a considered clays and climate with rainfall of low intensity storms. Aggregated clays and climate; rare density storms. Aggregated clays and climate; rare convective storms.  GROUND COVER  (f)  (a)  Ground cover does not exceed 20%  And of climate; rare convective storms.  (b)  Ground cover does not exceed 20%  No rock in surface soil  (b)  (c)  Cover not exceeding 40%  No tice shie litter or not exceeding 40%  No tice shie litter of if trees present understory not well developed construction  (c)  Cover not exceeding 40%  No tice shie litter or not exceeding 40%  No tice shie shie shie shie shie shie shie shi	hardness Moderately weathered	a. Medium textured soil b. Occasional rock frag- ments	duration b. Infrequen	of moderate	per unit area b. Moderate volu	flows	a. Moderate upland slopes (less than 20% b. Moderate fan or flood plain development
GROUND COVER  (f)  (g)  (h)  (Cover not exceeding 40%  1. No rock in surface soil  (O)  Cover not exceeding 40%  2. Noticeable litter  3. No collivered across recently logged  4. Ordinary road and other construction  (—10)  3. Area completely protected by vegetation, rock fragments, litter  (—10)  3. Area completely protected by vegetation, rock fragments, litter  (—10)  3. Less than 50% cultivated by vegetation, rock fragments, litter  (—10)  4. Area completely protected by vegetation, rock fragments, litter  (—10)  5. Area completely protected acrossing the recent litter on struction  (—10)  6. Area completely protected acrossing the recent lightly or landslide erosion with deposition in stream channels  (—10)  6. No rock in surface soil  (0)  7. Area completely protected by vegetation, rock fragments, litter  (—10)  6. Area completely protected acrossing the recent lightly or landslide erosion with deposition in stream channels  (—10)  8. No cultivation by vegetation, rock fragments, litter  Channels in messive vegetated construction  1. Area completely protected and the recent lightly or landslide erosion with deposition in stream channels  2. No cultivation by no recent logging construction  (—10)  8. More than 50% of the area characterized by rill and gully or landslide erosion with deposition in stream channels  2. Moderate flow depths medium flow duration with occasionally eroding with occasionally eroding with flat gradients and short flow duration by construction  2. No cultivation by no recent logging construction  2. No cultivation by no recent logging construction  3. No cultivation by no recent logging construction  4. No cultivation by no recent logging construction  5. No recent logging construction  6. No recent logging construction  6. No recent logging construction  6. No recent logging construction  7. No apparent signs of erosion  8. No cultivation by no recent lightly or landslide erosion by recent lightly or landslide erosion  8. Moderate flow depths medium flow duration by no recent ligh	Massive, hard forma-	a. High percentage of rock fragments b. Aggregated clays	a. Humid climate with rainfall of low intensity b. Precipitation in form of snow c. Arid climate, low intensity storms d. Arid climate; rare		a. Low peak flows per unit area b. Low volume of runoff per unit area c. Rare runoff events		(less than 5%) b. Extensive alluvial
(f) (g) (10)  Ground cover does not exceed 20% a. Wore than 50% cultivated b. Almost all of area intensively grazed c. All of area recently burned  (O)  Cover not exceeding 40% a. Noticeable litter story not well developed  Area completely protected by vegetation, rock fragments, litter c. Little opportunity for rainfall to reach erodible material  (I)  (I)  (I)  (I)  (I)  (I)  (I)  (I	die						
Ground cover does not exceed 20%  a. Wegetation sparse; little or no litter or no litter b. No rock in surface soil  (0)  Cover not exceeding 40%  a. Less than 25% cultivated b. 50% or less recently logged c. Less than 25% cultivated b. 50% or less recently logged c. Less than 50% intensively grazed d. Ordinary road and other construction  (10)  Area completely protected by vegetation, rock fragments, litter  Little opportunity for rainfall to reach erodible material  (10)  a. More than 50% of the area characterized by rill and gully or landsilde erosion b. Wind erosion with deposition in stream channels  (10)  (10)  a. About 25% of the area characterized by rill and gully or landsilde erosion b. Wind erosion with deposition in stream channels  (10)  (10)  a. About 25% of the area characterized by rill and gully or landsilde erosion b. Wind erosion with deposition in stream channels  (10)  (10)  a. About 25% of the area characterized by rill and gully or landsilde erosion b. Wind erosion with deposition in stream channels  (10)  (11)  a. Moderate flow depths medium flow duration b. Wind erosion with deposition in stream channels  (10)  (11)  a. Moderate flow depths medium flow duration b. No recent logging c. Low intensity grazing  (10)  a. No apparent signs of erosion b. Channels in massive rock, large boulders, owell vegetated c. Artificially controlled channels			SE	UPLAN		SED	IMENT TRANSPORT
a. Noticeable litter b. If trees present understory not well developed  c. Less than 50% intensively grazed d. Ordinary road and other construction  (-10) a. Area completely protected by vegetation, rock fragments, litter b. Little opportunity for rainfall to reach erodible material  a. Less than 25% cultivated b. 50% or less recently logged c. Less than 50% intensively logged d. Ordinary road and other construction  (-10) a. No cultivation b. No recent logging c. Low intensity grazing  a. About 25% of the area characterized by rill and gully or landslide erosion b. Wind erosion with deposition in stream channels  (0) a. Wide shallow channels with flat gradients and short flow duration b. Channels in massive rock, large boulders, or well vegetated c. Artificially controlled channels	Ground cover does not exceed 20%  a. Vegetation sparse; little or no litter  (10)  a. More than 50% b. Almost all of a sively grazed  C. All of area		cultivated area inten-	a. More than 50% of the area characterized by rill and gully or landslide		a. Eroding banks continuously or at frequent intervals with large depths and long flow duration b. Active headcuts and degradation in tributary	
a. No cultivation b. No recent logging c. Low intensity grazing  a. No apparent signs of erosion  a. Wide shallow channels with flat gradients and short flow duration b. Channels in massive rock, large boulders, o well vegetated c. Artificially controlled channels	cover not exceeding 40%  a. Noticeable litter b. If trees present understory not well developed c. Less than 25% to 50% or less logged c. Less than 50% to 10 grazed d. Ordinary road to		cultivated recently intensive-	a. About 25% of the area characterized by rill and gully or landslide erosion b. Wind erosion with depo-		with occasionally eroding	
	a. Area completely protected by vegetation, rock fragments, litter c. Little opportunity for rainfall to reach erodible material		ing	a. No apparent signs of		b. Channels in massive rock, large boulders, or well vegetated c. Artificially controlled	
Subtotal (a) – (a)			er je was	Na Colonia			

## GENERAL INSTRUCTIONS

District Office prepares one copy for District file.

SPECIFIC INSTRUCTIONS

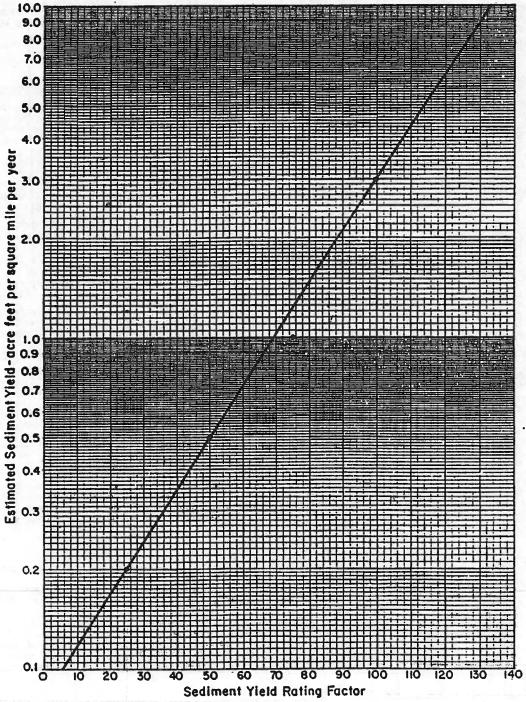
(Items not listed are self-explanatory) :

Numbers indicate values assigned appropriate characteristics. Letters a, b, c, and d refer to independent

characteristics to which full value may be assigned.

Interpolation between the sediment yield levels may be made. High values for columns (s) through (g) should correspond to high values for (h) and (i). If they do not, factors (a) through (g) should be reevaluated. If they do not correspond, then a special erosion condition exists.

Convert Total Rating to sediment yield by use of graph.



Y= 0.0816 2 0.0:53X

SPO 836 - 319