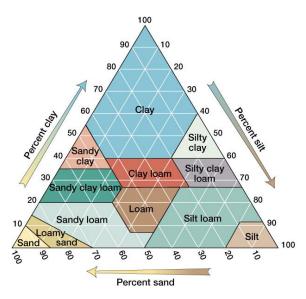
## Ch. 16—Soil Evidence

<b>Dust &amp; Dirt</b>			
		a person has been,	they
	they work, and if		
<ul> <li>Alibi soil sam</li> </ul>	ples are taken in many crir	minal investigations with most	
samples take	en from the	surface of the soil in	amounts.
How is soil useful?			
<ul> <li>Soil is a</li> </ul>	mixture of	and	materials.
<ul> <li>Great</li> </ul>	of these combi	nations leads some to believe that	soil has a
		en area and changes detectably e	
Soil Formation			
	om the breakdown or	of r	nck
Parent rock-	—an area of	that is the source for an area of	of soil
Mechanical (	an area or	) and chemical (	)
weathering h	elp in this process as well a	as the influence of	and
woamoning in			
Information obtained			
<ul> <li>Texture and</li> </ul>			
• T	:		
0	Soil is separated into	major texture categ	ories, based upon
		, C	,
	S		
0	Use texture triangle to id-	entity soil type	
• C	:	logged No c	
0	SOIIS =	i loggea No c	oxidation
	Orange/red soils = influe	nced by	<b>f</b> also a constant also a d
0	Darks	oils = rich, lots o	r decomposed dead
	organic matter (	)	
Key =			
-	entists can analyze soil con	nposition to place soil with particula	ar
		and	

## **Soil Texture Triangle**



## Ch. 18: Forensic Footwear Evidence

*	Forms	of footy	vear impressions			
••			pressions = those tha	at remain after a	shoe has	
	•		a surface		31100 1103	<del></del>
			Example surfaces:			
	•	2-D im	nraccions – thosa			prints left on non-
	•	aivina	surfaces		OI	prints left of flori-
			Note: Very often the		vicible impres	sions actually retain
		-	Note. Very often the	tail than those t	visible litiples	eavier deposits of residue,
			dust, or blood.	tali lilali lilose l	nat result nom n	eavier deposits of residue,
			dust, or blood.			
*	Inform	ation fro	m footwear impressi	ons		
	1	allon no	ID of foot	twaar		
	1.		Proving a suspect's	e	at a crime ar	nd thus possible
				in the crime	at a crime ar	id trius possible
	2	-	of footw			
	۷.				orietice char	nges in or absence of
			random	Unaraci	ictica ere permel	ly not used to
			Tanuom	Ulalacieli	istics are normal	ly flot used to
	2		a	SHOE		with other evidence
	٥.		Con holp lood to u	SSIUII allu	improssions or	_ with other evidence
	4	Dahutt	Can neip lead to di	ncovering other	impressions or _	evidence
	4. <i>-</i>	Rebuil	al or Confirmation of	a suspect s	manufacturar	
	5.		Aided by use of	or snoe brand/r	nanulacturer	that in alredoa
			Alded by use of	rootwear		_ that includes
	6	Dotorm	inction of aboa	or snoe des	igns	
	о.	Detern	nination of shoe			siana ann allaur far manara
			Recording	oboo oizo	or impres	sions can allow for general
	7		of	Shoe size		
	7.		characteris			
			Refers to how som	eone		المراجع والماري والماري والماري
				n impressions ir	iciuae	, step width, and
			walking pace	as Palakaasa	.l	
	0		Note:	reliably use	d as a means of	personal
	8.		of c			
						ecovered from scenes and
						rent crimes (helpful with
	•		cr	imes like burgiai	ries)	_
	9.		of perp			
			iviore than one prin	it aesign touna d	an	the # of people who
	40			committed	tne crime	
	10.		Ob		(	rise at the energy of the
			Observing impress	ion series that c	an result in follo	wing the path of an
			individual (	allens,		_ chilaren)
	1 0					
*			ecovery of footwear i			21.1
	•	importa	ant to	crime scenes	s as	as possible to
				pressions being		the
		eviden				
	•	Location			1(  <i>(</i> '	
		• (	Some impressions		located (i.e	or

	•	Most	requi	re more		to			
		•	Use _		lig	ht source o	r		_ lifting device
		•	Use _		in		a	s a place	to look (i.e.
					_ and ex	it points, an	ıd		, magazines, or
			glass	on floor wh	ich ofter	hold		print	s in good
	_								
•	Reco			20.					/// sanda la
	•			with		a	ına		(# cards in
	_	photo	,		nrinta t	•			
	•								
	•							eed to be	
		•							
			0						
			0			n nieture			
			0		! //	n picture		liabtina	for
			0						for
		_					to er	mance	before photo
		•	Litung	9	اـــــــــــــــــــــــــــــــــــــ	אווונט		~ ": ~ : ·	impression
			°		us	ea ioi		origir	n impression
			O		pow	uei			
		•	Casii	ng		_ prints		n	roduct
			0 08	se	than	Storie, a	d provido	P	and
							a provide	:u	and
					160	covery			
	*** <b></b> _n	hanco	mont	Methods					
•									
	•			ethod					
				nt powder, _			_		
	•			Method	اما			~ •	
				•	iet,			ור	
	•		ograpl						a4 a
				ue,		,			_, etc.
	•		al Met						
		•	Sortwa	are such as			_ or		
_	Page	on, E	rint A	nolvoio					
•	Reco			nalysis		ah aaa an a	J		40.00000000
	•			ave		_ snoes and	ـــــــــــــــــــــــــــــــــــــ		to compare
		aga	IIISI Faatuu	oor from			noroon		footwoor is soized
			FOOLW	ear IIOIII		impre	_ person-	— Evomino	_ footwear is seized
		•	impro	ociono of kn					
									them with
									samples are
				cteristics of		and nave _			
								_	atwoor wore by
		•				<del>.</del>	modical	= FOC	otwear worn by
									el should be
			loft of					wnen col	nsidering impressions
			เษแ สเ	scene					