

LAND USE AND VEGETATION

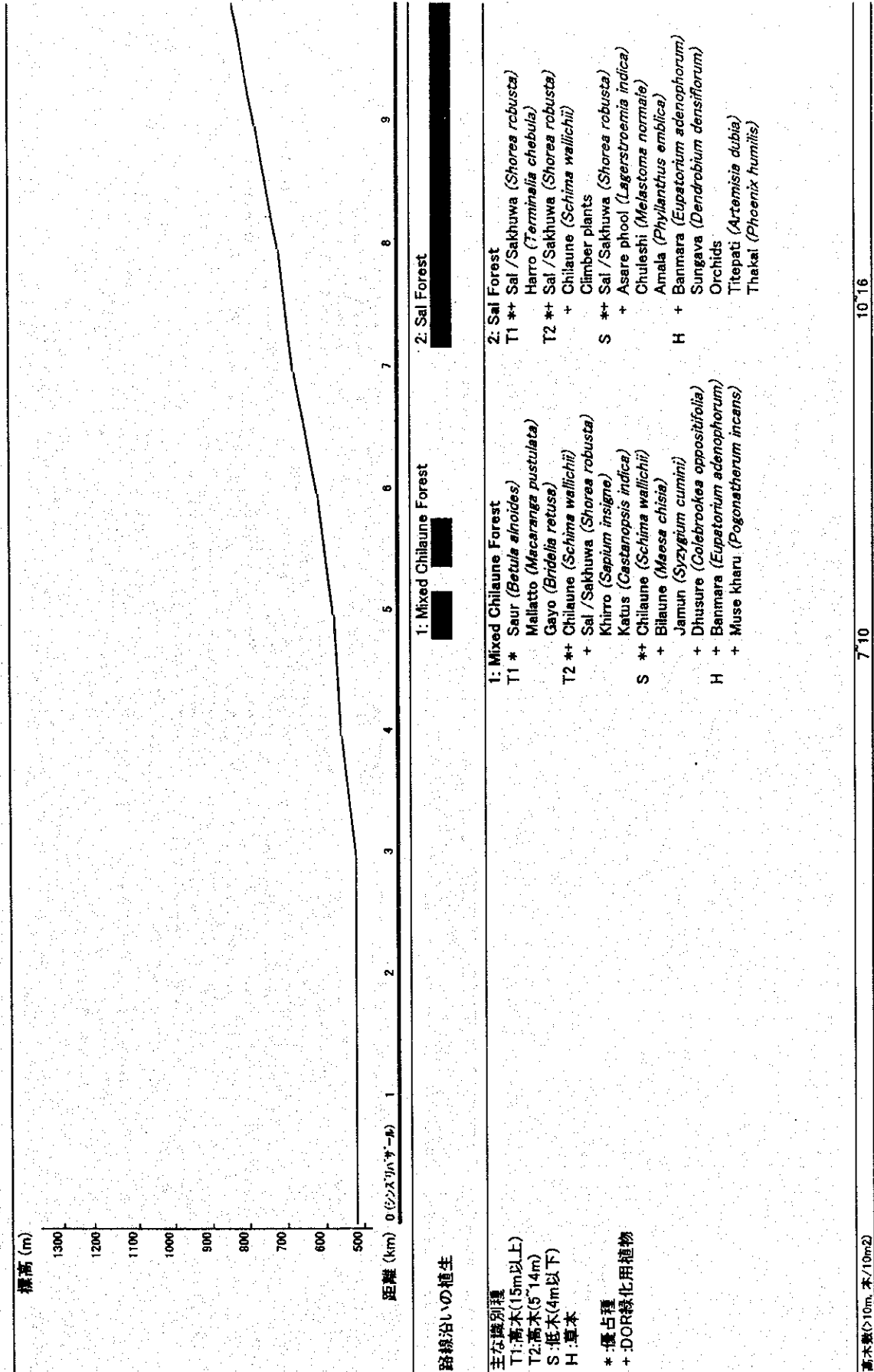


Figure 2.1.5 (a) Vegetation along Road Alignment

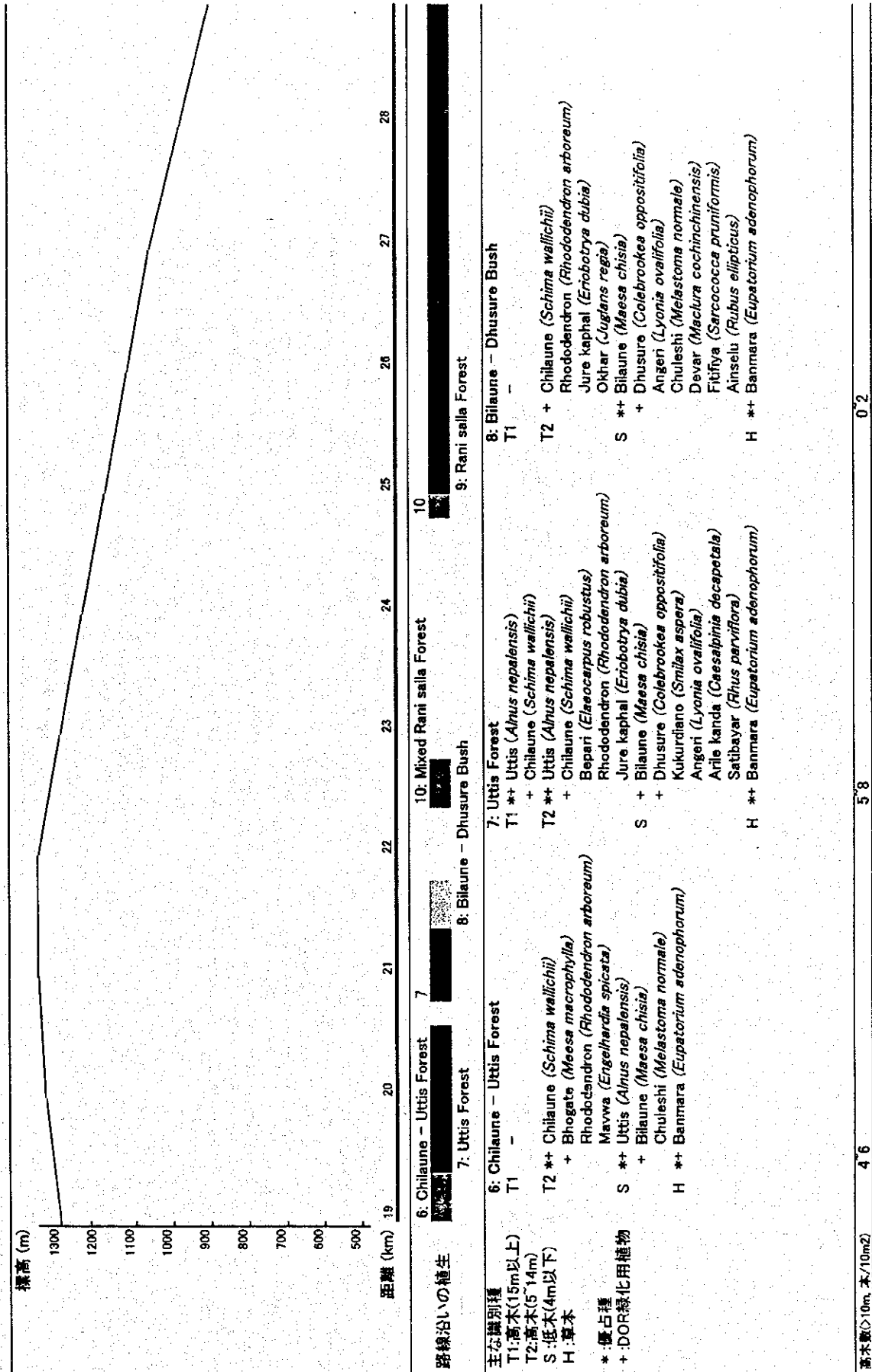


Figure 2.1.5 (c) Vegetation along Road Alignment

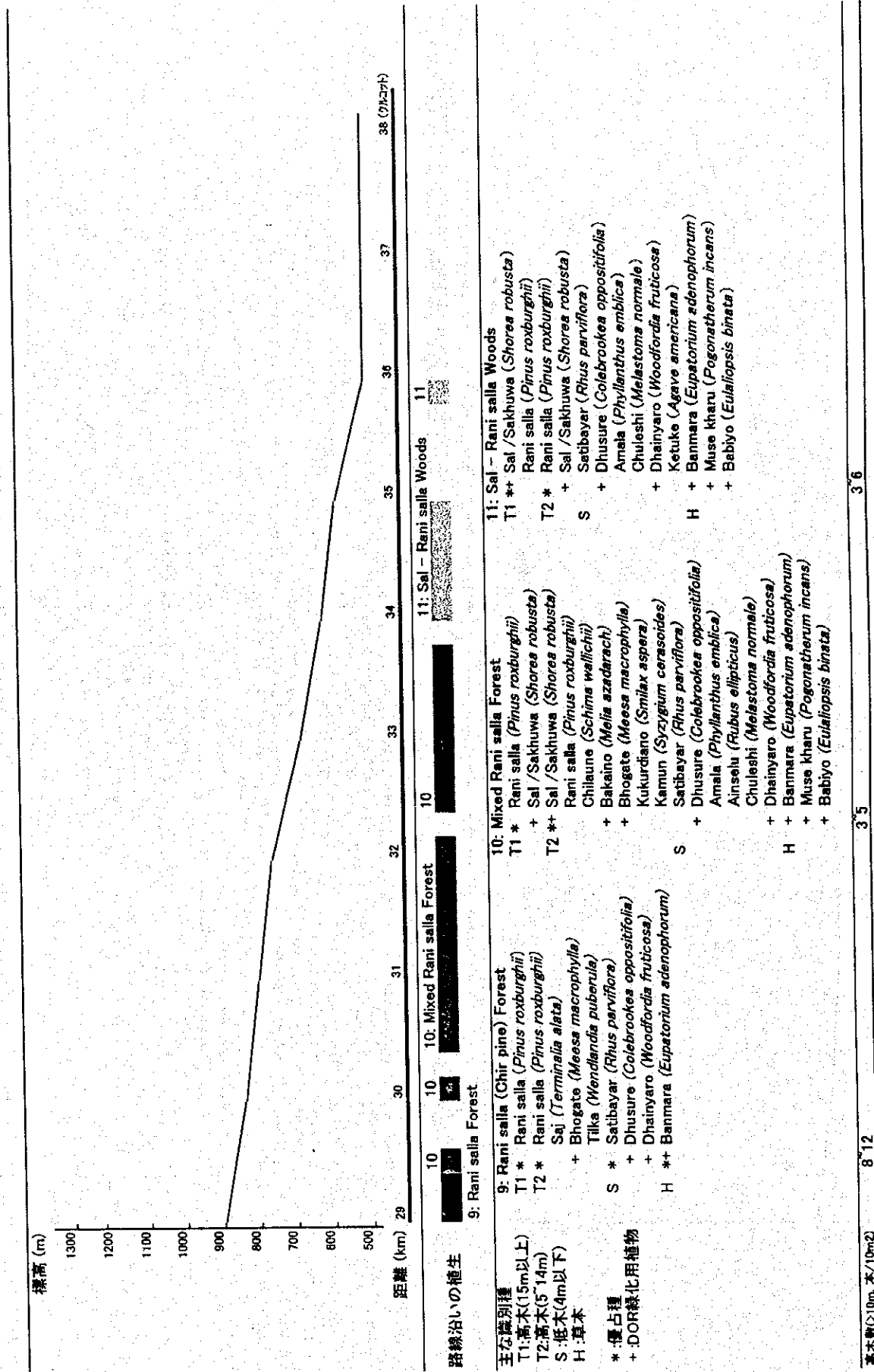


Figure 2.1.5 (d) Vegetation along Road Alignment

Vegetation Survey Check Sheet

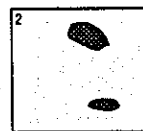
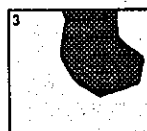
Date: 13 Apr. 99 Vegetation Survey No.: 1 Plant Community: Mixed Chilaune Forest
 Altitude: 580 m Inclination Angle: 30° Inclination Direction: NW
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Silt (White) (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No. of trees/10x10m
Tree1(T1) >15m	Saur	~15	5	1
Tree2(T2) 5-14m	Chilaune	~10	70	15
Shrub(S) <4m	Chilaune	3	50	-
(Including low tree)				
Herbaceous		0.3	20	

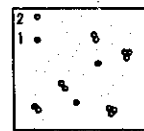
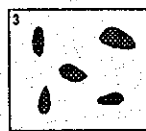
(Slope Protection plants)

S: Coverage · Sociability	Species of Plant	S: Coverage · Sociability	Species of Plant
		T	Uttis (<i>Alnus nepalensis</i>)
			Sisoo (<i>Dalbergia sissoo</i>)
T1: r	Saur (<i>Betula alnoides</i>)	2 · 2	Chilaune (<i>Schima wallichii</i>)
r	Mallatto (<i>Macaranga pustulata</i>)		Seto siris (<i>Albizia procera</i>)
r	Gayo (<i>Bridelia retusa</i>)		Bakaino (<i>Melia azadarach</i>)
		1 · 2	Sal / Sakhuwa (<i>Shorea robusta</i>)
T2: 2 · 2	Chilaune (<i>Schima wallichii</i>)		Khanayo (<i>Ficus semicordata</i>)
1 · 2	Sal / Sakhuwa (<i>Shorea robusta</i>)		Khayer (<i>Acacia catechu</i>)
+	Khirro (<i>Sapium insigne</i>)		Bhogate (<i>Meesa macrophylla</i>)
r	Katus (<i>Castanopsis indica</i>)	S	Dhainyaro (<i>Woodfordia fruticosa</i>)
			Amba (<i>Psidium guajava</i>)
			Tilka (<i>Wendlandia species</i>)
S 2 · 3	Chilaune (<i>Schima wallichii</i>)		Assuro (<i>Adhatoda vasica</i>)
1 · 1	Bilaune (<i>Maesa chisia</i>)	1 · 1	Bilaune (<i>Maesa chisia</i>)
1 · 1	Jamun (<i>Syzygium cumini</i>)		Kunyelo (<i>Trema orientalis</i>)
1 · 1	Dhasure (<i>Colebrookea oppositifolia</i>)	1 · 1	Dhasure (<i>Colebrookea oppositifolia</i>)
			Phul kanda (<i>Lantana camara</i>)
			Sajiwan / Kadam (<i>Jatropha curcas</i>)
H 1 · 1	Banmara (<i>Eupatorium adenophorum</i>)		Simali (<i>Vitex negundo</i>)
1 · 1	Muse kharu (<i>Pogonatherum incans</i>)		Bhujetro (<i>Butea minor</i>)
			Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
			Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
			Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
		1 · 1	Muse kharu (<i>Pogonatherum incans</i>)
		1 · 1	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



Vegetation Survey Check Sheet

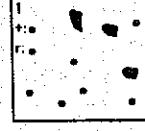
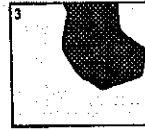
Date: 13 Apr. 99 Vegetation Survey No.: 2 Plant Community: Sal Forest
 Altitude: 750 m Inclination Angle: 20° Inclination Direction: SW
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Silt (White) (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No. of trees/10x10m
Tree1(T1) >15m	Sal	~20	60	8
Tree2(T2) 5-14m	Sal	10	70	12
Shrub(S) <4m	Sal	2	50	-
(Including low tree)				
Herbaceous		0.3	20	

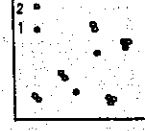
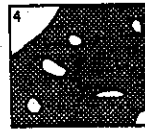
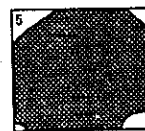
(Slope Protection plants)

S: Coverage · Sociability	Species of Plant	S: Coverage · Sociability	Species of Plant
		T	Uttis (<i>Alnus nepalensis</i>)
T1: 5 · 5	Sal / Sakhuwa (<i>Shorea robusta</i>)		Sisoo (<i>Dalbergia sissoo</i>)
r	Harro (<i>Terminalia chebula</i>)	1 · 1	Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
			Bakaino (<i>Melia azadarach</i>)
T2: 5 · 5	Sal / Sakhuwa (<i>Shorea robusta</i>)	5 · 5	Sal / Sakhuwa (<i>Shorea robusta</i>)
1 · 1	Chilaune (<i>Schima wallichii</i>)		Khanayo (<i>Ficus semicordata</i>)
+	Climber plants		Khayer (<i>Acacia catechu</i>)
			Bhogate (<i>Meesa macrophylla</i>)
		S	Dhainyaro (<i>Woodfordia fruticosa</i>)
S: 4 · 4	Sal / Sakhuwa (<i>Shorea robusta</i>)		Amba (<i>Psidium guajava</i>)
+	Asare phool (<i>Lagerstroemia indica</i>)		Tilka (<i>Wendlandia species</i>)
+	Chuleshi (<i>Melastoma normale</i>)		Assuro (<i>Adhatoda vasica</i>)
+	Amala (<i>Phyllanthus emblica</i>)		Bilaune (<i>Maesa chisia</i>)
			Kunyelo (<i>Trema orientalis</i>)
			Dhasure (<i>Colebrookea oppositifolia</i>)
H: +	Banmara (<i>Eupatorium adenophorum</i>)		Phul kanda (<i>Lantana camara</i>)
+	Sungava (<i>Dendrobium densiflorum</i>)		Sajiwan / Kadam (<i>Jatropha curcas</i>)
+	Orchids		Simali (<i>Vitex negundo</i>)
r	Titepati (<i>Artemisia dubia</i>)		Bhujetro (<i>Butea minor</i>)
r	Thakal (<i>Phoenix humilis</i>)		Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
		+	Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
			Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
			Muse kharu (<i>Pogonatherum incans</i>)
		+	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



Vegetation Survey Check Sheet

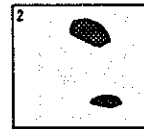
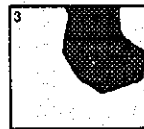
Date: 13 Apr. 99 Vegetation Survey No.: 3 Plant Community: Mixed Sal Forest
 Altitude: 910 m Inclination Angle: 5° Inclination Direction: W
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Sand / Rock (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No.of trees/10x10m
Tree1(T1) >15m	-			
Tree2(T2) 5-14m	Sal	~8	40	4
Shrub(S) <4m	Sal	1	40	-
(Including low tree)				
Herbaceous		0.5	20	

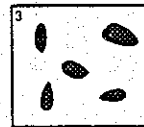
(Slope Protection plants)

S: Coverage·Sociability	Species of Plant	S: Coverage·Sociability	Species of Plant
		T	Uttis (<i>Alnus nepalensis</i>)
			Sisoo (<i>Dalbergia sissoo</i>)
T1: -		1 · 1	Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
T2: 3 · 3	Sal / Sakhuwa (<i>Shorea robusta</i>)		Bakaino (<i>Melia azadarach</i>)
1 · 1	Chilaune (<i>Schima wallichii</i>)	3 · 3	Sal / Sakhuwa (<i>Shorea robusta</i>)
r	Katus (<i>Castanopsis indica</i>)		Khanayo (<i>Ficus semicordata</i>)
r	Bhalayo (<i>Semecarpus anacardium</i>)		Khayer (<i>Acacia catechu</i>)
			Bhogate (<i>Meesa macrophylla</i>)
		S	Dhainyaro (<i>Woodfordia fruticosa</i>)
S: 2 · 2	Sal / Sakhuwa (<i>Shorea robusta</i>)		Amba (<i>Psidium guajava</i>)
1 · 1	Bilaune (<i>Maesa chisia</i>)		Tilka (<i>Wendlandia species</i>)
1 · 1	Chuleshi (<i>Melastoma normale</i>)		Assuro (<i>Adhatoda vasica</i>)
+	Setikath (<i>Myrsine capitellata</i>)	1 · 1	Bilaune (<i>Maesa chisia</i>)
+	Kalikath (<i>Myrsine semiserrata</i>)		Kunyelo (<i>Trema orientalis</i>)
r	Jamun (<i>Syzygium cumini</i>)		Dhasure (<i>Colebrookea oppositifolia</i>)
r	Gaitahare (<i>Inula cappa</i>)		Phul kanda (<i>Lantana camara</i>)
			Sajiwan /Kadam (<i>Jatropha curcas</i>)
			Simali (<i>Vitex negundo</i>)
H: 2 · 3	Ferns		Bhujetro (<i>Butea minor</i>)
+	Banmara (<i>Eupatorium adenophorum</i>)		Areri (<i>Acacia pennata</i>)
+	Orchids		Angero (<i>Goldfussia penstemonoides</i>)
r	Titepati (<i>Artemisia dubia</i>)		Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
			Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
			Muse kharu (<i>Pogonatherum incans</i>)
		+	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



Vegetation Survey Check Sheet

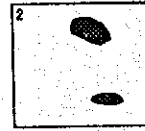
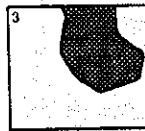
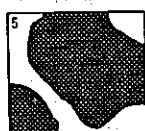
Date: 14 Apr. 99 Vegetation Survey No.: 4 Plant Community: Mixed Banmara Bush
 Altitude: 1120 m Inclination Angle: 40° Inclination Direction: NW
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Silt (White-Ocher) (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No.of trees/10x10m
Tree1(T1) >15m	-			
Tree2(T2) 5-14m	-	5	5	1
Shrub(S) <4m	-	1	50	-
(Including low tree)				
Herbaceous	Banmara	0.5	40	-

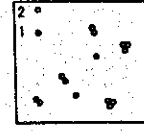
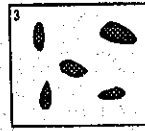
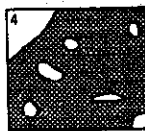
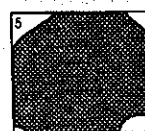
(Slope Protection plants)

S: Coverage·Sociability	Species of Plant	S: Coverage·Sociability	Species of Plant
		T	Uttis (<i>Alnus nepalensis</i>)
			Sisoo (<i>Dalbergia sissoo</i>)
			Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
T2:	r Katus (<i>Castanopsis indica</i>)	r	Bakaino (<i>Melia azadarach</i>)
	r Bakaino (<i>Melia azadarach</i>)		Sal /Sakhuwa (<i>Shorea robusta</i>)
			Khanayo (<i>Ficus semicordata</i>)
			Khayer (<i>Acacia catechu</i>)
S:	1 · 1 Chuleshi (<i>Melastoma normale</i>)		Bhogate (<i>Meesa macrophylla</i>)
	+ Dhusure (<i>Colebrookea oppositifolia</i>)	S	Dhainyaro (<i>Woodfordia fruticosa</i>)
	+ Mallatto (<i>Macaranga pustulata</i>)		Amba (<i>Psidium guajava</i>)
	r Ainselu (<i>Rubus ellipticus</i>)		Tilka (<i>Wendlandia species</i>)
	r Bilaune (<i>Maesa chisia</i>)		Assuro (<i>Adhatoda vasica</i>)
		r	Bilaune (<i>Maesa chisia</i>)
			Kunyelo (<i>Trema orientalis</i>)
H:	2 · 2 Banmara (<i>Eupatorium adenophorum</i>)	+	Dhusure (<i>Colebrookea oppositifolia</i>)
	+ Babiyo (<i>Eulaliopsis binata</i>)		Phul kanda (<i>Lantana camara</i>)
	+ Titepati (<i>Artemisia dubia</i>)		Sajiwan /Kadam (<i>Jatropha curcas</i>)
	+ Kharu (<i>Cymbopogon microtheca</i>)		Simali (<i>Vitex negundo</i>)
	+ Ferns		Bhujetro (<i>Butea minor</i>)
			Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
			Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
		+	Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
			Muse kharu (<i>Pogonatherum incans</i>)
		2 · 2	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



Vegetation Survey Check Sheet

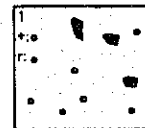
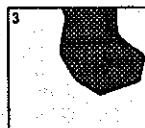
Date: 14 Apr. 99 Vegetation Survey No.: 5 Plant Community: Chilaune Forest
 Altitude: 1280 m Inclination Angle: 40° Inclination Direction: W
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Silt (White) (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No.of trees/10x10m
Tree1(T1) >15m	Chilaune	~20	60	5
Tree2(T2) 5-14m	Chilaune	10	70	10
Shrub(S) <4m	-			-
(Including low tree)				
Herbaceous	Banmara	0.5	50	

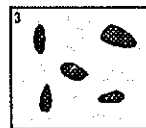
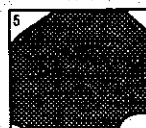
(Slope Protection plants)

S: Coverage · Sociability	Species of Plant	S: Coverage · Sociability	Species of Plant
		T	Uttis (<i>Alnus nepalensis</i>)
T1: 4 · 3	Chilaune (<i>Schima wallichii</i>)		Sisoo (<i>Dalbergia sissoo</i>)
		4 · 3	Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
T2: 4 · 3	Chilaune (<i>Schima wallichii</i>)		Bakaino (<i>Melia azadarach</i>)
			Sal /Sakhuwa (<i>Shorea robusta</i>)
			Khanayo (<i>Ficus semicordata</i>)
S: 2 · 2	Bilaune (<i>Maesa chisia</i>)		Khayer (<i>Acacia catechu</i>)
+	Lampate (<i>Duabanga grandiflora</i>)		Bhogate (<i>Meesa macrophylla</i>)
+	Ankhataruwa (<i>Trichilia connaroides</i>)	S	Dhainyaro (<i>Woodfordia fruticosa</i>)
+	Kaikata (<i>Myrsine semiserrata</i>)		Amba (<i>Psidium guajava</i>)
+	Chuleshi (<i>Melastoma normale</i>)		Tilka (<i>Wendlandia species</i>)
			Assuro (<i>Adhatoda vasica</i>)
		2 · 2	Bilaune (<i>Maesa chisia</i>)
H: 3 · 3	Banmara (<i>Eupatorium adenophorum</i>)		Kunyelo (<i>Trema orientalis</i>)
+	Orchids		Dhasure (<i>Colebrookea oppositifolia</i>)
			Phul kanda (<i>Lantana camara</i>)
			Sajiwan /Kadam (<i>Jatropha curcas</i>)
			Simali (<i>Vitex negundo</i>)
			Bhujetro (<i>Butea minor</i>)
			Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
			Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
			Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
			Muse kharu (<i>Pogonatherum incans</i>)
		3 · 3	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



Vegetation Survey Check Sheet

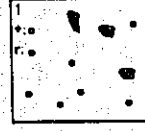
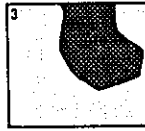
Date: 14 Apr. 99 Vegetation Survey No.: 6 Plant Community: Chilaune - Uttis Forest
 Altitude: 1340 m Inclination Angle: 40° Inclination Direction: S
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Sand / Rock (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No. of trees/10x10m
Tree1(T1) >15m	-			-
Tree2(T2) 5-14m	Chilaune	~10	40	6
Shrub(S) <4m	Uttis	3	20	-
(Including low tree)				
Herbaceous	Banmara	0.5	20	

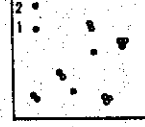
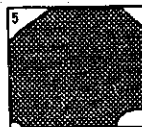
(Slope Protection plants)

S: Coverage · Sociability	Species of Plant	S: Coverage · Sociability	Species of Plant
		T 2 · 2	Uttis (<i>Alnus nepalensis</i>)
			Sisoo (<i>Dalbergia sissoo</i>)
T1: -		2 · 2	Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
T2: 2 · 2	Chilaune (<i>Schima wallichii</i>)		Bakaino (<i>Melia azadarach</i>)
1 · 1	Bhogate (<i>Meesa macrophylla</i>)		Sal / Sakhuwa (<i>Shorea robusta</i>)
+	Rhododendron (<i>Rhododendron arboreum</i>)		Khanayo (<i>Ficus semicordata</i>)
+	Mavwa (<i>Engelhardia spicata</i>)		Khayer (<i>Acacia catechu</i>)
		1 · 1	Bhogate (<i>Meesa macrophylla</i>)
		S	Dhainyaro (<i>Woodfordia fruticosa</i>)
S: 2 · 2	Uttis (<i>Alnus nepalensis</i>)		Amba (<i>Psidium guajava</i>)
2 · 1	Bilaune (<i>Maesa chisia</i>)		Tilka (<i>Wendlandia species</i>)
1 · 1	Chuleshi (<i>Melastoma normale</i>)		Assuro (<i>Adhatoda vasica</i>)
		2 · 1	Bilaune (<i>Maesa chisia</i>)
			Kunyelo (<i>Trema orientalis</i>)
H: 2 · 2	Banmara (<i>Eupatorium adenophorum</i>)		Dhuresure (<i>Colebrookea oppositifolia</i>)
			Phul kanda (<i>Lantana camara</i>)
			Sajiwan / Kadam (<i>Jatropha curcas</i>)
			Simali (<i>Vitex negundo</i>)
			Bhujetro (<i>Butea minor</i>)
			Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
			Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Gajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
			Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
			Muse kharu (<i>Pogonatherum incans</i>)
		2 · 2	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



Vegetation Survey Check Sheet

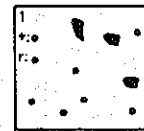
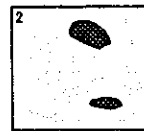
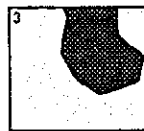
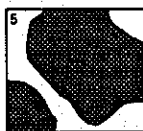
Date: 15 Apr. 99 Vegetation Survey No.: 7 Plant Community: Uttis Forest
 Altitude: 1300 m Inclination Angle: 40° Inclination Direction: N
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Sand (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No.of trees/10x10m
Tree1(T1) >15m	Uttis	~18	20	3
Tree2(T2) 5-14m	Uttis	~12	50	7
Shrub(S) <4m				-
(Including low tree)				
Herbaceous	Banmara	0.5	50	

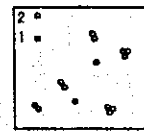
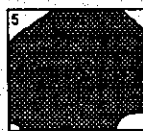
(Slope Protection plants)

S: Coverage · Sociability	Species of Plant	S: Coverage · Sociability	Species of Plant
		T 3 · 2	Uttis (<i>Alnus nepalensis</i>)
			Sisoo (<i>Dalbergia sissoo</i>)
T1: 2 · 2	Uttis (<i>Alnus nepalensis</i>)		Chilaune (<i>Schima wallichii</i>)
	2 · 1 Chilaune (<i>Schima wallichii</i>)	2 · 1	Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
			Bakaino (<i>Melia azadarach</i>)
T2: 3 · 2	Uttis (<i>Alnus nepalensis</i>)		Sal /Sakhuwa (<i>Shorea robusta</i>)
	2 · 1 Chilaune (<i>Schima wallichii</i>)		Khanayo (<i>Ficus semicordata</i>)
	2 · 1 Bepari (<i>Elaeocarpus robustus</i>)		Khayer (<i>Acacia catechu</i>)
	+ Rhododendron (<i>Rhododendron arboreum</i>)		Bhogate (<i>Meesa macrophylla</i>)
	r Jure kaphal (<i>Eriobotrya dubia</i>)	S	Dhainyaro (<i>Woodfordia fruticosa</i>)
			Amba (<i>Psidium guajava</i>)
			Tilka (<i>Wendlandia species</i>)
S: 2 · 2	Bilaune (<i>Maesa chisia</i>)		Assuro (<i>Adhatoda vasica</i>)
	1 · 1 Dhusure (<i>Colebrookea oppositifolia</i>)	2 · 2	Bilaune (<i>Maesa chisia</i>)
	+ Kukurdiano (<i>Smilax aspera</i>)		Kunyelo (<i>Trema orientalis</i>)
	r Angeri (<i>Lyonia ovalifolia</i>)	1 · 1	Dhusure (<i>Colebrookea oppositifolia</i>)
	r Arile kanda (<i>Caesalpinia decapetala</i>)		Phul kanda (<i>Lantana camara</i>)
	r Satibayar (<i>Rhus parviflora</i>)		Sajiwan /Kadam (<i>Jatropha curcas</i>)
			Simali (<i>Vitex negundo</i>)
			Bhujetro (<i>Butea minor</i>)
H: 3 · 3	Banmara (<i>Eupatorium adenophorum</i>)		Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
			Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
			Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
			Muse kharu (<i>Pogonatherum incans</i>)
		3 · 3	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



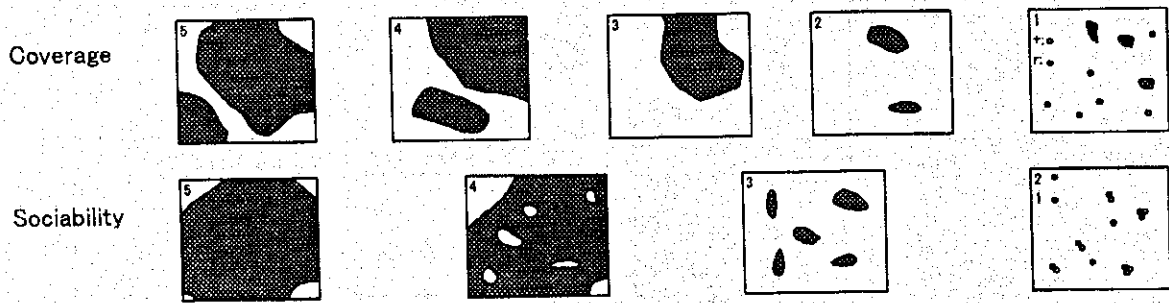
Vegetation Survey Check Sheet

Date: 15 Apr. 99 Vegetation Survey No.: 8 Plant Community: Bilaune - Dhusure Bush
 Altitude: 1360 m Inclination Angle: 30° Inclination Direction: N
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Silt (Brown) (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No. of trees/10x10m
Tree1(T1) >15m	-			
Tree2(T2) 5-14m	-	10	10	1
Shrub(S) <4m	Bilaune	1	60	-
(Including low tree)				
Herbaceous	Banmara	0.5	30	

(Slope Protection plants)

S: Coverage · Sociability	Species of Plant	S: Coverage · Sociability	Species of Plant
		T	Uttis (<i>Alnus nepalensis</i>)
			Sisoo (<i>Dalbergia sissoo</i>)
T1: -		2 · 1	Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
T:2 2 · 1	Chilaune (<i>Schima wallichii</i>)		Bakaino (<i>Melia azadarach</i>)
+	Rhododendron (<i>Rhododendron arboreum</i>)		Sal / Sakhuwa (<i>Shorea robusta</i>)
r	Jure kaphal (<i>Eriobotrya dubia</i>)		Khanayo (<i>Ficus semicordata</i>)
r	Okhar (<i>Juglans regia</i>)		Khayer (<i>Acacia catechu</i>)
			Bhogate (<i>Meesa macrophylla</i>)
		S	Dhainyaro (<i>Woodfordia fruticosa</i>)
S: 2 · 1	Bilaune (<i>Maesa chisia</i>)		Amba (<i>Psidium guajava</i>)
2 · 1	Dhusure (<i>Colebrookea oppositifolia</i>)		Tilka (<i>Wendlandia species</i>)
1 · 1	Angeri (<i>Lyonia ovalifolia</i>)		Assuro (<i>Adhatoda vasica</i>)
+	Chuleshi (<i>Melastoma normale</i>)	2 · 1	Bilaune (<i>Maesa chisia</i>)
r	Devar (<i>Maclura cochinchinensis</i>)		Kunyelo (<i>Trema orientalis</i>)
r	Fitifiya (<i>Sarcococca pruniformis</i>)	2 · 1	Dhusure (<i>Colebrookea oppositifolia</i>)
r	Ainselu (<i>Rubus ellipticus</i>)		Phul kanda (<i>Lantana camara</i>)
			Sajiwan / Kadam (<i>Jatropha curcas</i>)
			Simali (<i>Vitex negundo</i>)
H 3 · 3	Banmara (<i>Eupatorium adenophorum</i>)		Bhujetro (<i>Butea minor</i>)
			Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
			Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
			Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
			Muse kharu (<i>Pogonatherum incans</i>)
		3 · 3	Banmara (<i>Eupatorium adenophorum</i>)



Vegetation Survey Check Sheet

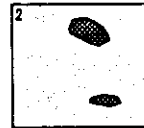
Date: 16 Apr. 99 Vegetation Survey No.: 9 Plant Community: Rani salla Forest
 Altitude: 1170 m Inclination Angle: 40° Inclination Direction: SE
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Sand / Rock (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No.of trees/10x10m
Tree1(T1) >15m	Rani salla (Chir pine)	~20	60	9
Tree2(T2) 5-14m	Rani salla (Chir pine)	7	30	4
Shrub(S) <4m	Satibayar	~2	20	-
(Including low tree)				
Herbaceous	Banmara	0.5	10	

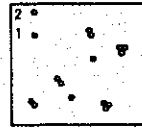
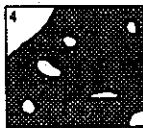
(Slope Protection plants)

S: Coverage · Sociability	Species of Plant	S: Coverage · Sociability	Species of Plant
		T	Uttis (<i>Alnus nepalensis</i>)
T1: 5 · 4	Rani salla (<i>Pinus roxburghii</i>)		Sisoo (<i>Dalbergia sissoo</i>)
			Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
T2: 2 · 1	Rani salla (<i>Pinus roxburghii</i>)		Bakaino (<i>Melia azadarach</i>)
r	Saj (<i>Terminalia alata</i>)		Sal /Sakhuwa (<i>Shorea robusta</i>)
r	Bhogate (<i>Meesa macrophylla</i>)		Khanayo (<i>Ficus semicordata</i>)
r	Tilka (<i>Wendlandia püberula</i>)		Khayer (<i>Acacia catechu</i>)
		r	Bhogate (<i>Meesa macrophylla</i>)
		S r	Dhainyaro (<i>Woodfordia fruticosa</i>)
S: 2 · 2	Satibayar (<i>Rhus parviflora</i>)		Amba (<i>Psidium guajava</i>)
1	Dhusure (<i>Colebrookea oppositifolia</i>)		Tilka (<i>Wendlandia species</i>)
r	Dhainyaro (<i>Woodfordia fruticosa</i>)		Assuro (<i>Adhatoda vasica</i>)
			Bilaune (<i>Maesa chisia</i>)
			Kunyelo (<i>Trema orientalis</i>)
H: 2 · 2	Banmara (<i>Eupatorium adenophorum</i>)	1 · 1	Dhusure (<i>Colebrookea oppositifolia</i>)
			Phul kanda (<i>Lantana camara</i>)
			Sajiwan /Kadam (<i>Jatropha curcas</i>)
			Simali (<i>Vitex negundo</i>)
			Bhujetro (<i>Butea minor</i>)
			Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
			Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
			Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
			Muse kharu (<i>Pogonatherum incans</i>)
		2 · 2	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



Vegetation Survey Check Sheet

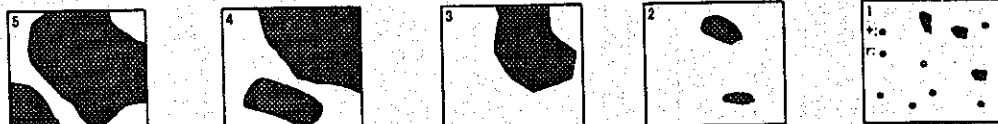
Date: 16 Apr. 99 Vegetation Survey No.: 10 Plant Community: Mixed Rani salla Forest
 Altitude: 820 m Inclination Angle: 30° Inclination Direction: SE
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Silt (Ocher) (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No.of trees/10x10m
Tree1(T1) >15m	Rani salla (Chir pine)	~15	30	3
Tree2(T2) 5-14m	Sal	10	20	2
Shrub(S) <4m		1	50	-
(Including low tree)				
Herbaceous		0.5	40	

(Slope Protection plants)

S: Coverage	Sociability	Species of Plant	S: Coverage	Sociability	Species of Plant
			T		Uttis (<i>Alnus nepalensis</i>)
T1:	3 · 3	Rani salla (<i>Pinus roxburghii</i>)			Sisoo (<i>Dalbergia sissoo</i>)
	2 · 2	Sal /Sakhuwa (<i>Shorea robusta</i>)			Chilaune (<i>Schima wallichii</i>)
					Seto siris (<i>Albizia procera</i>)
			1 · 1		Bakaino (<i>Melia azadarach</i>)
T2:	2 · 2	Sal /Sakhuwa (<i>Shorea robusta</i>)	2 · 2		Sal /Sakhuwa (<i>Shorea robusta</i>)
	2 · 2	Rani salla (<i>Pinus roxburghii</i>)			Khanayo (<i>Ficus semicordata</i>)
	1 · 1	Chilaune (<i>Schima wallichii</i>)			Khayer (<i>Acacia catechu</i>)
	1 · 1	Bakaino (<i>Melia azadarach</i>)	1 · 1		Bhogate (<i>Meesa macrophylla</i>)
	1 · 1	Bhogate (<i>Meesa macrophylla</i>)	S	r	Dhainyaro (<i>Woodfordia fruticosa</i>)
	r	Kukurdiano (<i>Smilax aspera</i>)			Amba (<i>Psidium guajava</i>)
	r	Kamun (<i>Syzygium cerasoides</i>)			Tilka (<i>Wendlandia species</i>)
					Assuro (<i>Adhatoda vasica</i>)
					Bilaune (<i>Maesa chisia</i>)
S:	2 · 2	Satibayar (<i>Rhus parviflora</i>)			Kunyelo (<i>Trema orientalis</i>)
	1 · 1	Dhasure (<i>Colebrookea oppositifolia</i>)	1 · 1		Dhasure (<i>Colebrookea oppositifolia</i>)
	r	Amala (<i>Phyllanthus emblica</i>)			Phul kanda (<i>Lantana camara</i>)
	r	Ainselu (<i>Rubus ellipticus</i>)			Sajiwan /Kadam (<i>Jatropha curcas</i>)
	r	Chuleshi (<i>Melastoma normale</i>)			Simali (<i>Vitex negundo</i>)
	r	Dhainyaro (<i>Woodfordia fruticosa</i>)			Bhujetro (<i>Butea minor</i>)
					Aleri (<i>Acacia pennata</i>)
					Angero (<i>Goldfussia penstemonoides</i>)
					Asare phool (<i>Lagerstroemia indica</i>)
H:	1 · 2	Banmara (<i>Eupatorium adenophorum</i>)			Barhamase (<i>Nerium indicum</i>)
	1 · 2	Muse kharu (<i>Pogonatherum incans</i>)			Rahar (<i>Cajanus cajan</i>)
	1 · 2	Babiyo (<i>Eulaliopsis binata</i>)	H		Chiraita (<i>Swertia chirayita</i>)
					Kans (<i>Saccharum spontaneum</i>)
			1 · 2		Babiyo (<i>Eulaliopsis binata</i>)
					Amliso (<i>Thysanolaena maxima</i>)
			1 · 2		Muse kharu (<i>Pogonatherum incans</i>)
			1 · 2		Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



Vegetation Survey Check Sheet

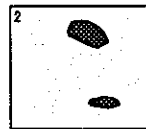
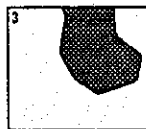
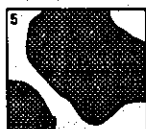
Date: 16 Apr. 99 Vegetation Survey No.: 11 Plant Community: Sal - Rani salla Woods
 Altitude: 600 m Inclination Angle: 50° Inclination Direction: N
 Terrain: Top Ridge Slope(Upper Middle Lower) Riverain
 Sunshine: Much Middle Little Soil Type: Silt (Brown) (Dry Middle Wet)

Stair	Dominant Species	Height (m)	Cover (%)	No. of trees/10x10m
Tree1(T1) >15m	Sal	~15	10	2
Tree2(T2) 5-14m	Rani salla (Chir pine)	~10	30	5
Shrub(S) <4m		1	40	-
(Including low tree)				
Herbaceous		0.5	50	

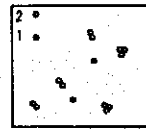
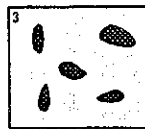
(Slope Protection plants)

S: Coverage · Sociability	Species of Plant	S: Coverage · Sociability	Species of Plant
		T	Uttis (<i>Alnus nepalensis</i>)
T1: 1 · 1	Sal / Sakhuwa (<i>Shorea robusta</i>)		Sisoo (<i>Dalbergia sissoo</i>)
1 · 1	Rani salla (<i>Pinus roxburghii</i>)		Chilaune (<i>Schima wallichii</i>)
			Seto siris (<i>Albizia procera</i>)
			Bakaino (<i>Melia azadarach</i>)
T2: 2 · 2	Rani salla (<i>Pinus roxburghii</i>)	2 · 2	Sal / Sakhuwa (<i>Shorea robusta</i>)
2 · 1	Sal / Sakhuwa (<i>Shorea robusta</i>)		Khanayo (<i>Ficus semicordata</i>)
			Khayer (<i>Acacia catechu</i>)
			Bhogate (<i>Meesa macrophylla</i>)
S: 2 · 2	Satibayar (<i>Rhus parviflora</i>)	S r	Dhainyaro (<i>Woodfordia fruticosa</i>)
+	Dhasure (<i>Colebrookea oppositifolia</i>)		Amba (<i>Psidium guajava</i>)
r	Amala (<i>Phyllanthus emblica</i>)		Tilka (<i>Wendlandia species</i>)
r	Chuleshi (<i>Melastoma normale</i>)		Assuro (<i>Adhatoda vasica</i>)
r	Dhainyaro (<i>Woodfordia fruticosa</i>)		Bilaune (<i>Maesa chisia</i>)
r	Ketuke (<i>Agave americana</i>)		Kunyelo (<i>Trema orientalis</i>)
		+	Dhasure (<i>Colebrookea oppositifolia</i>)
			Phul kanda (<i>Lantana camara</i>)
H: 2 · 2	Banmara (<i>Eupatorium adenophorum</i>)		Sajiwan /Kadam (<i>Jatropha curcas</i>)
2 · 2	Muse kharu (<i>Pogonatherum incans</i>)		Simali (<i>Vitex negundo</i>)
1 · 2	Babiyo (<i>Eulaliopsis binata</i>)		Bhujetro (<i>Butea minor</i>)
			Areri (<i>Acacia pennata</i>)
			Angero (<i>Goldfussia penstemonoides</i>)
			Asare phool (<i>Lagerstroemia indica</i>)
			Barhamase (<i>Nerium indicum</i>)
			Rahar (<i>Cajanus cajan</i>)
		H	Chiraita (<i>Swertia chirayita</i>)
			Kans (<i>Saccharum spontaneum</i>)
		2 · 2	Babiyo (<i>Eulaliopsis binata</i>)
			Amliso (<i>Thysanolaena maxima</i>)
		2 · 2	Muse kharu (<i>Pogonatherum incans</i>)
		1 · 2	Banmara (<i>Eupatorium adenophorum</i>)

Coverage



Sociability



TRAFFIC COUNTING RESULT

SUMMARY OF CLASSIFIED TRAFFIC COUNT

Intersection	Survey Date & Time	Vehicle Direction	Vehicle Classification								Total
			1	2	3	4	5	6	7	8	
Mugling	From April 11, '99 (Mon) 06:00 to April 12, '99 (Tues) 06:00	Kathmandu - Bharatpur	190	4	282	34	451	0	46	3	1010
		Kathmandu - Pokhara	112	23	71	7	36	0	45	3	297
		Pokhara - Kathmandu	109	29	73	15	21	0	65	0	312
		Pokhara - Bharatpur	68	18	77	40	170	1	57	0	431
		Bharatpur - Kathmandu	155	12	274	25	488	0	56	3	1013
		Bharatpur - Pokhara	56	10	82	6	125	0	39	0	318
Total			690	96	859	127	1291	1	308	9	3381
Pathlalya	From April 28, '99 (Thur) 06:00 to April 29, '99 (Fri) 06:00	Kathmandu - Birganj	87	3	97	20	440	12	99	8	766
		Kathmandu - Nijgadh	64	2	151	10	155	1	28	2	413
		Nijgadh - Birganj	46	5	66	1	125	30	31	2	306
		Nijgadh - Kathmandu	40	0	167	3	217	1	17	2	447
		Birganj - Kathmandu	87	8	91	56	330	36	77	3	688
		Birganj - Nijgadh	57	2	72	24	157	39	50	2	403
Total			381	20	644	114	1424	119	302	19	3023
Noubise	From April 5, '99 (Sun) 06:00 to April 6, '99 (Mon) 06:00	Kathmandu - Mugling	398	36	363	22	678	0	119	0	1616
		Kathmandu - Hetauda	21	1	2	0	22	0	29	0	75
		Hetauda - Mugling	1	0	0	2	4	0	4	0	11
		Hetauda - Kathmandu	15	1	3	6	11	1	21	0	58
		Mugling - Kathmandu	343	66	356	179	614	0	137	0	1695
		Mugling - Hetauda	3	0	0	0	4	0	9	1	17
Total			781	104	724	209	1333	1	319	1	3472

Note: Vehicle Classification 1 = Car, van, jeep, pick-up; 2 = Mini Bus; 3 = Bus; 4 = Light truck; 5 = Medium, heavy truck; 6 = Tractor; 7 = Motorcycles; 8 = Others (Tempo)

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
NOUBISE	April 5, '99 6:00 A.M.	April 6, '99 6:00A.M.	Kathmandu	Mugling	Dal Bahadur Saru	Clear			
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	23	0	10	1	58	0	6	0	98
7:00 ~ 8:00	33	0	21	3	20	0	6	0	83
8:00 ~ 9:00	52	16	48	1	10	0	13	0	140
9:00 ~ 10:00	29	5	20	0	20	0	7	0	81
10:00 ~ 11:00	39	1	25	2	13	0	11	0	91
11:00 ~ 12:00	20	3	13	3	35	0	10	0	84
12:00 ~ 13:00	24	3	9	0	40	0	7	0	83
13:00 ~ 14:00	28	1	15	2	38	0	8	0	92
14:00 ~ 15:00	21	2	11	5	41	0	9	0	89
15:00 ~ 16:00	31	1	13	1	66	0	10	0	122
16:00 ~ 17:00	23	1	18	1	40	0	7	0	90
17:00 ~ 18:00	15	1	25	0	40	0	4	0	85
18:00 ~ 19:00	8	0	32	1	43	0	9	0	93
19:00 ~ 20:00	10	1	17	0	53	0	5	0	86
20:00 ~ 21:00	11	1	45	0	40	0	1	0	98
21:00 ~ 22:00	8	0	31	0	39	0	3	0	81
22:00 ~ 23:00	7	0	8	0	26	0	1	0	43
23:00 ~ 24:00	0	0	0	0	18	0	0	0	18
00:00 ~ 1:00	1	0	0	1	6	0	0	0	8
1:00 ~ 2:00	1	0	1	0	2	0	0	0	4
2:00 ~ 3:00	1	0	0	0	1	0	0	0	2
3:00 ~ 4:00	2	0	0	0	4	0	0	0	6
4:00 ~ 5:00	1	0	0	1	5	0	0	0	7
5:00 ~ 6:00	10	0	0	0	20	0	2	0	32
TOTAL	398	36	363	22	678	0	119	0	1616

Traffic Counting Sheet

Intersection Name		Survey Date		Vehicle Direction		Name of Counter	Weather		
NOUBISE		From	April 5, '99 6:00 A.M.	Origin:	Kathmandu	Ramesh Maharjan	Clear		
		To	April 6, '99 6:00 A.M.	Destination:	Hetauda				
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	2	0	0	0	0	0	1	0	3
7:00 ~ 8:00	0	0	0	0	4	0	3	0	7
8:00 ~ 9:00	1	0	1	0	1	0	1	0	4
9:00 ~ 10:00	1	0	0	0	1	0	2	0	4
10:00 ~ 11:00	5	0	0	0	2	0	2	0	9
11:00 ~ 12:00	0	0	0	0	1	0	7	0	8
12:00 ~ 13:00	1	0	0	0	0	0	3	0	4
13:00 ~ 14:00	3	1	0	0	0	0	4	0	8
14:00 ~ 15:00	1	0	0	0	3	0	2	0	6
15:00 ~ 16:00	3	0	1	0	1	0	1	0	6
16:00 ~ 17:00	3	0	0	0	2	0	1	0	6
17:00 ~ 18:00	0	0	0	0	1	0	2	0	3
18:00 ~ 19:00	1	0	0	0	1	0	0	0	2
19:00 ~ 20:00	0	0	0	0	2	0	0	0	2
20:00 ~ 21:00	0	0	0	0	0	0	0	0	0
21:00 ~ 22:00	0	0	0	0	0	0	0	0	0
22:00 ~ 23:00	0	0	0	0	0	0	0	0	0
23:00 ~ 24:00	0	0	0	0	0	0	0	0	0
00:00 ~ 1:00	0	0	0	0	0	0	0	0	0
1:00 ~ 2:00	0	0	0	0	0	0	0	0	0
2:00 ~ 3:00	0	0	0	0	0	0	0	0	0
3:00 ~ 4:00	0	0	0	0	0	0	0	0	0
4:00 ~ 5:00	0	0	0	0	0	0	0	0	0
5:00 ~ 6:00	0	0	0	0	3	0	0	0	3
TOTAL	21	1	2	0	22	0	29	0	75

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
NOUBISE	April 5, '99	6:00 A.M.	Hetauda	Muging	Ajit Sapkota	Clear			
	April 6, '99	6:00A.M.							
Time	Car. Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	0	0	0	0	1	0	0	0	1
7:00 ~ 8:00	0	0	0	0	1	0	0	0	1
8:00 ~ 9:00	0	0	0	1	0	0	1	0	2
9:00 ~ 10:00	0	0	0	1	0	0	0	0	0
10:00 ~ 11:00	0	0	0	0	0	0	0	0	1
11:00 ~ 12:00	1	0	0	0	0	0	0	0	0
12:00 ~ 13:00	0	0	0	0	1	0	0	0	1
13:00 ~ 14:00	0	0	0	0	0	0	0	0	0
14:00 ~ 15:00	0	0	0	0	0	0	0	0	0
15:00 ~ 16:00	0	0	0	0	0	0	0	0	0
16:00 ~ 17:00	0	0	0	0	0	0	0	0	0
17:00 ~ 18:00	0	0	0	0	0	0	2	0	2
18:00 ~ 19:00	0	0	0	0	0	0	0	0	0
19:00 ~ 20:00	0	0	0	0	0	0	0	0	0
20:00 ~ 21:00	0	0	0	0	0	0	0	0	0
21:00 ~ 22:00	0	0	0	0	0	0	0	0	0
22:00 ~ 23:00	0	0	0	0	0	0	0	0	0
23:00 ~ 24:00	0	0	0	0	0	0	0	0	0
00:00 ~ 1:00	0	0	0	0	0	0	0	0	0
1:00 ~ 2:00	0	0	0	0	0	0	0	0	0
2:00 ~ 3:00	0	0	0	0	0	0	0	0	0
3:00 ~ 4:00	0	0	0	0	0	0	0	0	0
4:00 ~ 5:00	0	0	0	0	0	0	0	0	0
5:00 ~ 6:00	0	0	0	0	0	1	0	0	1
TOTAL	1	0	0	2	4	0	4	0	11

Traffic Counting Sheet

Intersection Name		Survey Date		Vehicle Direction		Name of Counter	Weather		
NOUBISE		From	April 5, '99 6:00 A.M.	Origin:	Hetauda	Shree Karita Dhakal	Clear		
		To	April 6, '99 6:00 A.M.	Destination:	Kathmandu				
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	0	0	0	0	0	0	1	0	1
7:00 ~ 8:00	0	0	0	0	0	0	2	0	3
8:00 ~ 9:00	0	0	0	1	0	0	0	0	1
9:00 ~ 10:00	1	0	0	0	1	0	1	0	3
10:00 ~ 11:00	0	0	1	0	2	0	3	0	6
11:00 ~ 12:00	1	0	1	1	1	1	1	0	6
12:00 ~ 13:00	0	0	0	0	0	0	2	0	2
13:00 ~ 14:00	2	0	1	0	0	0	0	0	3
14:00 ~ 15:00	1	0	0	0	1	0	2	0	4
15:00 ~ 16:00	2	0	0	0	0	0	3	0	5
16:00 ~ 17:00	3	0	0	0	1	0	1	0	5
17:00 ~ 18:00	2	1	0	0	1	0	3	0	7
18:00 ~ 19:00	0	0	0	1	0	0	2	0	3
19:00 ~ 20:00	2	0	0	1	0	0	0	0	3
20:00 ~ 21:00	0	0	0	0	1	0	0	0	1
21:00 ~ 22:00	0	0	0	1	0	0	0	0	1
22:00 ~ 23:00	0	0	0	0	0	0	0	0	0
23:00 ~ 24:00	0	0	0	0	0	0	0	0	0
00:00 ~ 1:00	1	0	0	0	0	0	0	0	1
1:00 ~ 2:00	0	0	0	0	0	0	0	0	0
2:00 ~ 3:00	0	0	0	0	0	0	0	0	0
3:00 ~ 4:00	0	0	0	0	0	0	0	0	0
4:00 ~ 5:00	0	0	0	0	0	0	0	0	0
5:00 ~ 6:00	0	0	0	1	2	0	0	0	3
TOTAL	15	1	3	6	11	1	21	0	58

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather				
	From	To	Origin:	Destination:						
NOUBISE	April 5, '99	6:00 A.M.	Mugling		Ramesh Kumar Maharjan	Clear				
	April 6, '99	6:00A.M.	Kathmandu							
Time	Car, Van, Jeep, Pick-up	Bus		Truck			Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck					
6:00 ~ 7:00	7	0	21	1	52	0	5	0	86	
7:00 ~ 8:00	9	1	11	6	70	0	2	0	99	
8:00 ~ 9:00	15	1	6	37	73	0	3	0	135	
9:00 ~ 10:00	19	4	2	16	55	0	12	0	108	
10:00 ~ 11:00	23	3	6	8	27	0	11	0	78	
11:00 ~ 12:00	19	1	8	5	29	0	9	0	71	
12:00 ~ 13:00	17	7	11	5	31	0	12	0	83	
13:00 ~ 14:00	18	12	11	7	21	0	7	0	76	
14:00 ~ 15:00	20	9	25	24	28	0	9	0	115	
15:00 ~ 16:00	29	8	15	11	19	0	15	0	97	
16:00 ~ 17:00	33	5	18	16	21	0	10	0	103	
17:00 ~ 18:00	40	4	7	16	16	0	12	0	95	
18:00 ~ 19:00	21	7	6	3	12	0	11	0	60	
19:00 ~ 20:00	18	2	7	8	10	0	6	0	51	
20:00 ~ 21:00	8	0	1	1	6	0	4	0	20	
21:00 ~ 22:00	8	0	5	3	4	0	5	0	25	
22:00 ~ 23:00	6	0	1	3	12	0	3	0	25	
23:00 ~ 24:00	5	1	0	1	7	0	0	0	14	
00:00 ~ 1:00	9	0	1	3	9	0	1	0	23	
1:00 ~ 2:00	1	0	3	2	12	0	0	0	18	
2:00 ~ 3:00	3	0	10	1	21	0	0	0	35	
3:00 ~ 4:00	4	0	34	0	9	0	0	0	47	
4:00 ~ 5:00	7	0	95	0	29	0	0	0	131	
5:00 ~ 6:00	4	1	52	2	41	0	0	0	100	
TOTAL	343	66	356	179	614	0	137	0	1695	

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
NOUBISE	April 5, '99 6:00 A.M.	April 6, '99 6:00A.M.	Mugging	Hetauda	Kanchecha Bhai Manandhar	Clear			
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	0	0	0	0	0	0	0	0	0
7:00 ~ 8:00	0	0	0	0	0	0	0	0	0
8:00 ~ 9:00	0	0	0	0	0	0	1	1	2
9:00 ~ 10:00	0	0	0	0	1	0	1	0	2
10:00 ~ 11:00	0	0	0	0	0	0	1	0	1
11:00 ~ 12:00	0	0	0	0	0	0	2	0	2
12:00 ~ 13:00	1	0	0	0	1	0	0	0	2
13:00 ~ 14:00	0	0	0	0	0	0	0	0	0
14:00 ~ 15:00	0	0	0	0	0	0	3	0	3
15:00 ~ 16:00	0	0	0	0	0	0	0	0	0
16:00 ~ 17:00	2	0	0	0	0	0	0	0	2
17:00 ~ 18:00	0	0	0	0	1	0	1	0	2
18:00 ~ 19:00	0	0	0	0	0	0	0	0	0
19:00 ~ 20:00	0	0	0	0	1	0	0	0	1
20:00 ~ 21:00	0	0	0	0	0	0	0	0	0
21:00 ~ 22:00	0	0	0	0	0	0	0	0	0
22:00 ~ 23:00	0	0	0	0	0	0	0	0	0
23:00 ~ 24:00	0	0	0	0	0	0	0	0	0
00:00 ~ 1:00	0	0	0	0	0	0	0	0	0
1:00 ~ 2:00	0	0	0	0	0	0	0	0	0
2:00 ~ 3:00	0	0	0	0	0	0	0	0	0
3:00 ~ 4:00	0	0	0	0	0	0	0	0	0
4:00 ~ 5:00	0	0	0	0	0	0	0	0	0
5:00 ~ 6:00	0	0	0	0	0	0	0	0	0
TOTAL	3	0	0	0	4	0	9	1	17

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather				
	From	To	Origin:	Destination:						
PATHLAIYA	April 28, '99 6:00 A.M.	April 29, '99 6:00A.M.	Kathmandu	Birganj	Kanchha Bhai Manandhar	Partly clear				
Time	Car, Van, Jeep, Pick-up	Bus		Truck			Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck					
6:00 ~ 7:00	1	0	3	2	30	0	1	0	0	37
7:00 ~ 8:00	3	0	0	4	42	0	7	1	1	57
8:00 ~ 9:00	3	0	3	0	48	0	8	0	0	62
9:00 ~ 10:00	4	0	1	1	45	1	8	0	0	60
10:00 ~ 11:00	5	0	3	2	36	1	7	4	0	58
11:00 ~ 12:00	1	0	1	2	20	0	8	0	0	32
12:00 ~ 13:00	3	0	0	0	23	1	6	0	0	33
13:00 ~ 14:00	5	0	0	1	12	2	6	0	0	26
14:00 ~ 15:00	7	0	1	0	14	0	3	0	0	25
15:00 ~ 16:00	10	3	7	3	19	0	5	0	0	47
16:00 ~ 17:00	7	0	16	2	52	2	8	0	0	87
17:00 ~ 18:00	5	0	10	0	38	0	4	3	0	60
18:00 ~ 19:00	13	0	9	0	18	5	13	0	0	58
19:00 ~ 20:00	5	0	4	0	6	0	6	0	0	21
20:00 ~ 21:00	4	0	1	0	5	0	1	0	0	11
21:00 ~ 22:00	0	0	0	0	1	0	2	0	0	3
22:00 ~ 23:00	3	0	0	0	1	0	0	0	0	4
23:00 ~ 24:00	1	0	0	1	4	0	2	0	0	8
00:00 ~ 1:00	1	0	1	0	1	0	3	0	0	6
1:00 ~ 2:00	0	0	0	0	1	0	0	0	0	1
2:00 ~ 3:00	1	0	3	0	0	0	0	0	0	4
3:00 ~ 4:00	3	0	11	1	6	0	0	0	0	21
4:00 ~ 5:00	1	0	21	0	5	0	0	0	0	27
5:00 ~ 6:00	1	0	2	1	13	0	1	0	0	18
TOTAL	87	3	97	20	440	12	99	8	766	

Traffic Counting Sheet

Intersection Name		Survey Date		Vehicle Direction		Name of Counter		Weather		
PATHLAIYA		From	April 28, '99 6:00 A.M.	Origin:	Kathmandu	Kanchha Bhai Manandhar		Partly clear		
		To	April 29, '99 6:00A.M.	Destination:	Nijgadh					
Time	Car, Van, Jeep, Pick-up	Bus			Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck					
6:00 ~ 7:00	1	0	2	2	9	0	6	0	20	
7:00 ~ 8:00	3	0	0	0	4	0	2	0	9	
8:00 ~ 9:00	3	0	2	1	7	0	2	0	15	
9:00 ~ 10:00	3	0	0	2	15	0	0	1	21	
10:00 ~ 11:00	5	0	0	0	15	0	5	0	25	
11:00 ~ 12:00	2	0	0	0	5	0	0	0	7	
12:00 ~ 13:00	4	0	0	0	9	0	1	0	14	
13:00 ~ 14:00	0	0	0	1	1	0	1	0	3	
14:00 ~ 15:00	1	0	0	0	4	0	6	0	11	
15:00 ~ 16:00	11	1	13	1	5	0	0	0	31	
16:00 ~ 17:00	6	0	8	1	6	0	1	0	22	
17:00 ~ 18:00	6	0	1	0	16	0	1	0	24	
18:00 ~ 19:00	7	0	1	2	10	1	0	0	21	
19:00 ~ 20:00	0	0	1	0	2	0	0	0	3	
20:00 ~ 21:00	2	0	2	0	2	0	0	0	6	
21:00 ~ 22:00	2	0	1	0	7	0	1	0	11	
22:00 ~ 23:00	1	0	4	0	10	0	1	0	16	
23:00 ~ 24:00	1	0	23	0	6	0	0	0	30	
00:00 ~ 1:00	0	0	28	0	4	0	0	0	32	
1:00 ~ 2:00	2	0	18	0	2	0	0	0	22	
2:00 ~ 3:00	1	1	28	0	3	0	0	0	33	
3:00 ~ 4:00	1	0	15	0	2	0	0	1	19	
4:00 ~ 5:00	0	0	2	0	2	0	0	0	4	
5:00 ~ 6:00	2	0	2	0	9	0	1	0	14	
TOTAL	64	2	151	10	155	1	28	2	413	

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
PATHLAIYA	April 28, '99 6:00 A.M.		Nigadh		Ramesh Maharjan	Partly clear			
	April 29, '99 6:00A.M.		Birganj						
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	1	0	2	0	10	1	3	1	18
7:00 ~ 8:00	2	0	3	0	17	0	3	0	25
8:00 ~ 9:00	1	0	2	0	12	2	3	0	20
9:00 ~ 10:00	3	4	7	0	8	3	5	0	30
10:00 ~ 11:00	1	0	8	0	4	1	3	0	17
11:00 ~ 12:00	1	0	5	0	3	5	3	0	17
12:00 ~ 13:00	3	0	2	0	3	1	0	1	10
13:00 ~ 14:00	8	0	3	0	9	0	0	0	20
14:00 ~ 15:00	2	0	1	0	12	3	1	0	19
15:00 ~ 16:00	6	1	4	0	1	0	1	0	13
16:00 ~ 17:00	2	0	5	0	10	3	0	0	20
17:00 ~ 18:00	3	0	10	0	1	1	1	0	16
18:00 ~ 19:00	2	0	1	0	4	3	7	0	17
19:00 ~ 20:00	1	0	3	0	4	3	0	0	11
20:00 ~ 21:00	1	0	1	0	3	1	1	0	7
21:00 ~ 22:00	4	0	0	0	5	1	0	0	10
22:00 ~ 23:00	1	0	0	0	3	2	0	0	6
23:00 ~ 24:00	0	0	0	0	0	0	0	0	0
00:00 ~ 1:00	0	0	1	0	2	0	0	0	3
1:00 ~ 2:00	0	0	2	0	3	0	0	0	5
2:00 ~ 3:00	1	0	1	1	0	0	0	0	3
3:00 ~ 4:00	0	0	3	0	4	0	0	0	7
4:00 ~ 5:00	3	0	2	0	3	0	0	0	8
5:00 ~ 6:00	0	0	0	0	4	0	0	0	4
TOTAL	46	5	66	1	125	30	31	2	306

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
PATHLAIYA	April 28, '99	6:00 A.M.	Nijgadh	Kathmandu	Dal Bahadur Saru	Partly clear			
	April 29, '99	6:00A.M.							
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	0	0	0	0	17	0	0	1	18
7:00 ~ 8:00	4	0	3	0	10	0	2	0	19
8:00 ~ 9:00	2	0	10	0	11	0	0	1	24
9:00 ~ 10:00	2	0	7	0	15	0	2	0	26
10:00 ~ 11:00	5	0	4	0	7	0	1	0	17
11:00 ~ 12:00	8	0	1	0	4	0	0	0	13
12:00 ~ 13:00	1	0	0	0	5	0	0	0	6
13:00 ~ 14:00	1	0	1	0	6	0	0	0	8
14:00 ~ 15:00	2	0	1	0	8	1	2	0	14
15:00 ~ 16:00	0	0	1	0	6	0	1	0	8
16:00 ~ 17:00	0	0	2	0	6	0	0	0	8
17:00 ~ 18:00	4	0	3	0	15	0	2	0	24
18:00 ~ 19:00	2	0	6	0	10	0	3	0	21
19:00 ~ 20:00	1	0	4	0	8	0	1	0	14
20:00 ~ 21:00	1	0	9	0	7	0	0	0	17
21:00 ~ 22:00	3	0	18	2	8	0	1	0	32
22:00 ~ 23:00	1	0	31	0	14	0	1	0	47
23:00 ~ 24:00	0	0	47	0	5	0	0	0	52
00:00 ~ 1:00	0	0	11	0	6	0	0	0	17
1:00 ~ 2:00	2	0	3	1	2	0	0	0	8
2:00 ~ 3:00	0	0	2	0	16	0	0	0	18
3:00 ~ 4:00	1	0	0	0	10	0	0	0	11
4:00 ~ 5:00	0	0	0	0	9	0	0	0	9
5:00 ~ 6:00	0	0	3	0	12	0	1	0	16
TOTAL	40	0	167	3	217	1	17	2	447

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
PATHLAIYA	April 28, '99 6:00 A.M.		Birganj	Kathmandu	Ramesh Kumar Mahajan	Partly clear			
	April 29, '99 6:00 A.M.								
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	4	0	2	3	1	2	2	0	14
7:00 ~ 8:00	4	2	7	0	5	0	3	0	21
8:00 ~ 9:00	7	2	5	5	4	5	4	0	32
9:00 ~ 10:00	6	3	3	6	5	1	8	0	32
10:00 ~ 11:00	5	0	2	6	6	1	5	0	25
11:00 ~ 12:00	2	1	2	3	6	1	5	0	20
12:00 ~ 13:00	10	0	10	5	5	3	6	1	40
13:00 ~ 14:00	12	0	6	3	9	1	9	0	40
14:00 ~ 15:00	3	0	6	2	8	3	5	0	27
15:00 ~ 16:00	6	0	3	0	18	0	6	0	33
16:00 ~ 17:00	2	0	2	5	10	1	4	0	24
17:00 ~ 18:00	6	0	5	3	25	0	4	0	43
18:00 ~ 19:00	4	0	5	0	26	4	4	0	43
19:00 ~ 20:00	3	0	3	5	28	1	3	1	44
20:00 ~ 21:00	4	0	3	7	25	2	2	0	43
21:00 ~ 22:00	4	0	15	2	35	0	4	1	61
22:00 ~ 23:00	2	0	8	0	57	0	0	0	67
23:00 ~ 24:00	1	0	1	0	20	2	1	0	25
00:00 ~ 1:00	0	0	1	0	15	0	1	0	17
1:00 ~ 2:00	0	0	0	0	5	0	0	0	5
2:00 ~ 3:00	0	0	0	0	2	4	0	0	6
3:00 ~ 4:00	0	0	1	1	2	0	0	0	4
4:00 ~ 5:00	1	0	1	0	6	1	0	0	9
5:00 ~ 6:00	1	0	0	0	7	4	1	0	13
TOTAL	87	8	91	56	330	38	77	3	688

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
PATHLAIYA	April 28, '99	6:00 A.M.	Birganj		Ramesh Kumar Maharjan Gagan Lama	Partly clear			
	April 29, '99	6:00A.M.	Nijgadh						
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	2	0	4	4	0	9	2	1	22
7:00 ~ 8:00	2	0	3	1	5	2	5	0	18
8:00 ~ 9:00	4	0	6	1	2	0	4	0	17
9:00 ~ 10:00	1	0	5	1	3	2	1	0	13
10:00 ~ 11:00	6	0	6	3	2	2	3	0	22
11:00 ~ 12:00	4	0	3	4	4	0	1	0	16
12:00 ~ 13:00	4	0	5	6	6	1	3	1	26
13:00 ~ 14:00	1	0	5	0	7	3	1	0	17
14:00 ~ 15:00	4	1	5	0	7	3	4	0	24
15:00 ~ 16:00	5	0	12	0	9	1	6	0	33
16:00 ~ 17:00	5	0	2	0	9	2	4	0	22
17:00 ~ 18:00	2	1	2	2	9	1	8	0	25
18:00 ~ 19:00	2	0	1	0	14	1	6	0	24
19:00 ~ 20:00	1	0	1	0	15	2	1	0	20
20:00 ~ 21:00	3	0	3	0	14	1	1	0	22
21:00 ~ 22:00	4	0	3	1	12	2	0	0	22
22:00 ~ 23:00	0	0	0	0	6	0	0	0	6
23:00 ~ 24:00	0	0	0	0	18	0	0	0	18
00:00 ~ 1:00	0	0	0	0	5	0	0	0	5
1:00 ~ 2:00	2	0	1	0	1	0	0	0	4
2:00 ~ 3:00	0	0	1	0	0	0	0	0	1
3:00 ~ 4:00	1	0	0	0	1	0	0	0	2
4:00 ~ 5:00	1	0	3	1	2	0	0	0	7
5:00 ~ 6:00	3	0	1	0	6	7	0	0	17
TOTAL	57	2	72	24	157	39	50	2	403

Traffic Counting Sheet

Intersection Name		Survey Date		Vehicle Direction		Name of Counter		Weather		
MUGLING		From	April 11, '99 6:00 A.M.	Origin:	Bharatpur	Ramesh Maharjan		Clear		
		To	April 12, '99 6:00 A.M.	Destination:	Kathmandu					
Time	Car, Van, Jeep, Pick-up	Bus		Truck			Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck					
6:00 ~ 7:00	2	1	2	1	35	0	1	1	43	
7:00 ~ 8:00	7	1	3	0	35	0	3	0	49	
8:00 ~ 9:00	7	0	5	1	33	0	11	0	57	
9:00 ~ 10:00	8	1	4	2	16	0	4	0	35	
10:00 ~ 11:00	10	3	7	2	13	0	3	0	38	
11:00 ~ 12:00	12	1	15	0	16	0	5	2	51	
12:00 ~ 13:00	9	1	22	2	11	0	6	0	51	
13:00 ~ 14:00	11	1	10	0	6	0	2	0	30	
14:00 ~ 15:00	11	0	7	0	9	0	3	0	30	
15:00 ~ 16:00	11	0	9	0	5	0	3	0	28	
16:00 ~ 17:00	14	0	5	2	17	0	9	0	47	
17:00 ~ 18:00	11	0	2	0	11	0	4	0	28	
18:00 ~ 19:00	14	0	2	0	25	0	1	0	42	
19:00 ~ 20:00	5	0	1	2	11	0	1	0	20	
20:00 ~ 21:00	3	0	1	0	50	0	0	0	54	
21:00 ~ 22:00	0	0	2	2	13	0	0	0	17	
22:00 ~ 23:00	3	0	6	1	28	0	0	0	38	
23:00 ~ 24:00	5	2	6	1	20	0	0	0	34	
00:00 ~ 1:00	3	1	21	6	13	0	0	0	44	
1:00 ~ 2:00	3	0	50	1	12	0	0	0	66	
2:00 ~ 3:00	1	0	58	0	20	0	0	0	79	
3:00 ~ 4:00	0	0	18	1	24	0	0	0	43	
4:00 ~ 5:00	2	0	11	0	10	0	0	0	23	
5:00 ~ 6:00	3	0	7	1	55	0	0	0	66	
TOTAL	155	12	274	25	488	0	56	3	1013	

Traffic Counting Sheet

Intersection Name	Survey Date	Vehicle Direction	Name of Counter	Weather
MUGLING	From April 11, '99 6:00 A.M.	Origin: Bharatpur Destination: Pokhara	Ramesh Kumar Mahajan	Clear
	To April 12, '99 6:00A.M.			

Time	Car. Van. Jeep. Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	1	0	2	0	8	0	1	0	12
7:00 ~ 8:00	1	0	3	0	9	0	0	0	13
8:00 ~ 9:00	3	1	3	2	5	0	8	0	22
9:00 ~ 10:00	3	1	3	0	3	0	5	0	15
10:00 ~ 11:00	6	1	8	0	5	0	5	0	25
11:00 ~ 12:00	7	3	5	1	6	0	6	0	28
12:00 ~ 13:00	1	1	6	0	1	0	1	0	10
13:00 ~ 14:00	7	1	4	0	3	0	1	0	16
14:00 ~ 15:00	4	0	6	0	1	0	2	0	13
15:00 ~ 16:00	0	1	4	0	4	0	1	0	10
16:00 ~ 17:00	3	0	2	0	2	0	2	0	9
17:00 ~ 18:00	2	1	2	0	2	0	4	0	11
18:00 ~ 19:00	3	0	4	0	6	0	1	0	14
19:00 ~ 20:00	4	0	2	0	6	0	1	0	13
20:00 ~ 21:00	1	0	1	1	13	0	0	0	16
21:00 ~ 22:00	4	0	4	0	5	0	0	0	13
22:00 ~ 23:00	2	0	0	0	7	0	0	0	9
23:00 ~ 24:00	1	0	3	0	10	0	0	0	14
00:00 ~ 1:00	1	0	2	0	3	0	1	0	7
1:00 ~ 2:00	1	0	7	0	2	0	0	0	10
2:00 ~ 3:00	0	0	7	0	1	0	0	0	8
3:00 ~ 4:00	0	0	1	0	4	0	0	0	5
4:00 ~ 5:00	0	0	0	0	3	0	0	0	3
5:00 ~ 6:00	1	0	3	2	16	0	0	0	22
TOTAL	56	10	82	6	125	0	39	0	318

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
MUGLING	April 11, '99 6:00 A.M.		Pokhara		Shree Kanta Dhakal	Clear			
	April 12, '99 6:00A.M.		Kathmandu						
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	1	0	0	0	5	0	0	0	6
7:00 ~ 8:00	1	1	2	0	1	0	8	0	13
8:00 ~ 9:00	7	1	1	0	3	0	4	0	16
9:00 ~ 10:00	11	7	10	2	0	0	1	0	31
10:00 ~ 11:00	16	6	11	2	1	0	5	0	41
11:00 ~ 12:00	5	2	9	0	2	0	3	0	21
12:00 ~ 13:00	10	1	3	1	2	0	10	0	27
13:00 ~ 14:00	13	3	6	1	2	0	14	0	39
14:00 ~ 15:00	8	1	4	1	0	0	5	0	19
15:00 ~ 16:00	10	3	2	1	2	0	6	0	24
16:00 ~ 17:00	11	3	2	2	0	0	1	0	19
17:00 ~ 18:00	2	0	1	3	0	0	3	0	9
18:00 ~ 19:00	4	1	0	0	0	0	2	0	7
19:00 ~ 20:00	3	0	1	0	0	0	1	0	5
20:00 ~ 21:00	0	0	3	0	2	0	0	0	5
21:00 ~ 22:00	3	0	8	0	0	0	0	0	11
22:00 ~ 23:00	1	0	5	0	0	0	0	0	6
23:00 ~ 24:00	0	0	4	0	0	0	0	0	4
00:00 ~ 1:00	0	0	0	1	0	0	0	0	1
1:00 ~ 2:00	0	0	0	0	0	0	0	0	0
2:00 ~ 3:00	0	0	0	0	0	0	0	0	0
3:00 ~ 4:00	0	0	1	0	0	0	2	0	3
4:00 ~ 5:00	0	0	0	1	0	0	0	0	1
5:00 ~ 6:00	3	0	0	0	1	0	0	0	4
TOTAL	109	29	73	15	21	0	65	0	312

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather				
	From	To	Origin:	Destination:						
MUGLING	April 11, '99	6:00 A.M.	Pokhara		Ajit Sapkota	Clear				
	April 12, '99	6:00A.M.	Bharatpur							
Time	Car, Van, Jeep, Pick-up	Bus		Truck			Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck					
6:00 ~ 7:00	0	0	0	0	15	0	0	0	0	15
7:00 ~ 8:00	1	0	2	1	11	0	0	1	0	16
8:00 ~ 9:00	7	0	7	3	12	0	0	5	0	34
9:00 ~ 10:00	10	1	6	2	10	0	0	3	0	32
10:00 ~ 11:00	6	3	7	3	10	0	0	8	0	37
11:00 ~ 12:00	6	2	7	2	5	0	0	2	0	24
12:00 ~ 13:00	5	1	3	1	10	1	0	6	0	27
13:00 ~ 14:00	7	2	6	3	14	0	0	9	0	41
14:00 ~ 15:00	5	1	3	2	10	0	0	10	0	31
15:00 ~ 16:00	2	1	5	2	11	0	0	3	0	24
16:00 ~ 17:00	4	5	3	5	12	0	0	6	0	35
17:00 ~ 18:00	5	1	8	2	10	0	0	2	0	28
18:00 ~ 19:00	5	1	5	5	12	0	0	2	0	30
19:00 ~ 20:00	2	0	5	0	12	0	0	0	0	19
20:00 ~ 21:00	1	0	1	5	5	0	0	0	0	12
21:00 ~ 22:00	1	0	2	2	2	0	0	0	0	7
22:00 ~ 23:00	1	0	2	0	2	0	0	0	0	5
23:00 ~ 24:00	0	0	3	0	5	0	0	0	0	8
00:00 ~ 1:00	0	0	0	0	0	0	0	0	0	0
1:00 ~ 2:00	0	0	0	0	0	0	0	0	0	0
2:00 ~ 3:00	0	0	0	0	0	0	0	0	0	0
3:00 ~ 4:00	0	0	0	0	1	0	0	0	0	1
4:00 ~ 5:00	0	0	0	0	0	0	0	0	0	0
5:00 ~ 6:00	0	0	2	2	1	0	0	0	0	5
TOTAL	68	18	77	40	170	1	57	0	0	431

Traffic Counting Sheet

Intersection Name	Survey Date		Vehicle Direction		Name of Counter	Weather			
	From	To	Origin:	Destination:					
MUGLING	April 11, '99	6:00 A.M.	Kathmandu	Bharatpur	Dal Bahadur Saru	Clear			
	April 12, '99	6:00A.M.							
Time	Car, Van, Jeep, Pick-up	Bus		Truck		Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck				
6:00 ~ 7:00	2	0	0	2	29	0	0	0	33
7:00 ~ 8:00	8	0	0	2	15	0	1	0	26
8:00 ~ 9:00	12	0	12	1	10	0	1	0	36
9:00 ~ 10:00	16	0	11	2	8	0	1	0	38
10:00 ~ 11:00	15	1	17	4	7	0	3	1	48
11:00 ~ 12:00	13	0	9	3	13	0	4	0	42
12:00 ~ 13:00	14	0	11	2	11	0	3	1	42
13:00 ~ 14:00	10	0	8	0	22	0	7	0	47
14:00 ~ 15:00	19	0	10	2	20	0	4	0	55
15:00 ~ 16:00	8	0	7	0	25	0	4	0	44
16:00 ~ 17:00	16	0	9	0	40	0	4	0	69
17:00 ~ 18:00	10	0	6	2	35	0	6	0	59
18:00 ~ 19:00	15	1	14	4	28	0	3	0	65
19:00 ~ 20:00	5	0	29	1	35	0	0	1	71
20:00 ~ 21:00	6	0	18	1	35	0	3	0	63
21:00 ~ 22:00	10	1	21	1	25	0	0	0	58
22:00 ~ 23:00	3	0	28	0	14	0	0	0	45
23:00 ~ 24:00	4	0	27	0	16	0	1	0	48
00:00 ~ 1:00	2	0	23	2	14	0	0	0	41
1:00 ~ 2:00	2	0	14	0	7	0	0	0	23
2:00 ~ 3:00	0	0	5	1	11	0	0	0	17
3:00 ~ 4:00	0	0	1	0	4	0	0	0	5
4:00 ~ 5:00	0	0	2	0	12	0	1	0	15
5:00 ~ 6:00	0	1	0	4	15	0	0	0	20
TOTAL	190	4	282	34	451	0	46	3	1010

Traffic Counting Sheet

Intersection Name		Survey Date		Vehicle Direction		Name of Counter		Weather		
MUGLING		From: April 11, '99 6:00 A.M.		Origin: Kathmandu		Kanchha Bhai Manandhar		Clear		
		To: April 12, '99 6:00 A.M.		Destination: Pokhara						
Time	Car, Van, Jeep, Pick-up	Bus		Truck			Tractor	Motor-cycle	Others	Total
		Mini Bus	Bus	Light Truck	Medium, Heavy Truck					
6:00 ~ 7:00	1	0	1	0	1	0	0	0	0	3
7:00 ~ 8:00	0	0	0	0	2	0	0	1	2	5
8:00 ~ 9:00	7	0	0	0	2	0	0	4	0	13
9:00 ~ 10:00	9	2	2	0	5	0	0	1	1	20
10:00 ~ 11:00	8	3	12	0	1	0	0	3	0	27
11:00 ~ 12:00	13	5	13	0	1	0	0	4	0	36
12:00 ~ 13:00	13	2	11	1	0	0	0	5	0	32
13:00 ~ 14:00	13	2	2	0	1	0	0	4	0	22
14:00 ~ 15:00	10	4	2	1	1	0	0	4	0	22
15:00 ~ 16:00	7	0	1	0	0	0	0	3	0	11
16:00 ~ 17:00	3	0	1	2	0	0	0	1	0	7
17:00 ~ 18:00	8	2	1	0	0	0	0	6	0	17
18:00 ~ 19:00	5	1	0	2	1	0	0	1	0	10
19:00 ~ 20:00	5	0	0	1	3	0	0	2	0	11
20:00 ~ 21:00	2	0	0	0	1	0	0	2	0	5
21:00 ~ 22:00	3	0	3	0	0	0	0	0	0	6
22:00 ~ 23:00	1	0	6	0	1	0	0	0	0	8
23:00 ~ 24:00	1	0	3	0	1	0	0	1	0	6
00:00 ~ 1:00	0	0	8	0	0	0	0	0	0	8
1:00 ~ 2:00	1	0	2	0	1	0	0	0	0	4
2:00 ~ 3:00	0	0	2	0	0	0	0	1	0	3
3:00 ~ 4:00	0	1	0	0	0	0	0	0	0	1
4:00 ~ 5:00	0	0	0	0	2	0	0	0	0	2
5:00 ~ 6:00	2	1	1	0	12	0	0	2	0	18
TOTAL	112	23	71	7	36	0	0	45	3	297

JICA