

K. AGRICULTURAL STUDIES

Table 1: Cultivated Lands in Project Affected VDCs

S N	VDC	Cultivated land (ha)		
		DIZ (Submerged)	IIZ	Total
1	Amchaur	35.84	954.34	990.17
2	Bhagawati		404.69	404.69
3	Boharigaun	4.18	566.42	570.59
4	Dandakot	13.00	415.04	428.04
5	Dasharathchand Municipality	171.72	2,175.76	2,347.48
6	Dattu	15.66	293.86	309.52
7	Dethala		526.66	526.66
8	Dilasaini	0.32	866.71	867.03
9	Giregada	38.50	882.41	920.90
10	Gokuleshwar B	59.79	695.87	755.66
11	Gokuleshwar D	66.37	291.32	357.69
12	Kharkanda	1.17	602.75	603.93
13	Kulaun	1.77	621.23	622.99
14	Lali	187.05	605.70	792.75
15	Nagarjun	2.46	341.73	344.19
16	Nwali	4.75	495.63	500.38
17	Pancheshwar	71.85	432.68	504.53
18	Rim		962.06	962.06
19	Riththa Chaupata	0.15	903.90	904.05
20	Rodidewal	0.71	525.29	526.00
21	Rudreshwar		634.14	634.14
22	Sarmauli	45.88	748.60	794.47
23	Shankarpur	2.09	524.38	526.47
24	shree Kedar		351.00	351.00
25	Sitad	28.48	692.29	720.76
26	Uku	242.10	536.42	778.53
	Grand total	994	17,051	18,045

Source: Land Use Map

Table 2: Total Cultivated Lands Sub-merged by the Reservoir

S N	Cultivated land	Area	
		Hectare	Percentage
1	Khet	780	79
2	Bari	214	21
	Grand total	994	100

Source: Land Use Map

Table 3: Area of cultivated land along elevation classes

VDC	Area (Ha) by Elevation Class and VDC]									
	<700	700-900	900-1100	1100-1300	1300-1500	1500-1700	1700-1900	1900-2100	2100-2300	Grand total
Amchaur	42.39	112.32	316.98	215.73	200.7	93.24	8.28			989.64
Bhagawati		32.13	65.07	77.13	83.7	95.76	27.9	16.47	6.39	404.55
Boharigaun	16.29	66.42	93.33	114.93	122.67	55.17	50.58	50.67		570.06
Dandakot	14.85	41.49	165.96	176.13	27.18					425.61
Dasharathchand municipality	203.31	269.19	689.13	668.07	348.84	147.69	22.77	3.6		2352.6
Dattu	34.83	116.91	45	36.09	41.22	33.3				307.35
Dethala		168.12	145.17	110.88	64.17	22.86	7.29	4.86	4.41	527.76
Dilasaini	7.92	17.1	8.73	176.67	433.62	179.64	46.26			869.94
Giregada	46.98	104.85	120.87	66.42	92.25	199.71	162.54	124.2	2.07	919.89
Gokuleshwar B	100.35	213.12	194.67	183.51	61.92					753.57
Gokuleshwar D	100.44	125.73	106.65	15.93	7.11	3.15				359.01
Kharkanda	2.43	31.05	167.58	216.27	161.19	24.39	0.99			603.9
Kulaun	2.88	28.35	82.17	105.75	134.73	151.92	101.61	13.77		621.18
Lali	204.57	156.15	94.95	196.2	127.44	10.17				789.48
Nagarjun	2.52	0.63	16.2	26.37	34.29	126.27	137.43	0.09		343.8
Nwali	5.31	37.53	91.89	137.7	111.42	73.35	44.37	0.18		501.75
Pancheshwar	85.77	89.64	110.25	136.98	82.17	0.36				505.17
Rim	1.44	78.57	213.93	263.25	304.02	105.03	5.22			971.46
riththa Chaupata	1.53	47.79	250.83	363.87	214.56	25.74				904.32
Rodidewal	1.98	31.41	43.2	124.92	130.68	113.76	56.07	24.84		526.86
Rudreshwar		241.29	124.2	66.69	117.54	69.48	13.14	3.51		635.85
Sarmauli	62.64	165.06	252.72	174.6	114.3	25.47	0.72			795.51
Shankarpur	2.88	18.09	54.72	92.61	163.71	165.33	26.82	1.44		525.6
shree Kedar		1.44	81.18	107.73	113.22	26.64	18.45	1.08		349.74
Sitad	39.06	87.75	201.6	304.11	77.94	8.28				718.74
Uku	274.23	183.69	182.16	74.16	61.38	2.88				778.5
Grand Total	1254.6	2465.82	3919.14	4232.7	3431.97	1759.59	730.44	244.71	12.87	18051.84

Table 4: Productivity of Major Crops in Project Affected Areas by Zone

Crops type	DIZ	IIZ	Overall
Paddy			
• Irrigated	1877	1586	1718
• Rain-fed	1132	782	1037
Maize	2122	1277	1668
Wheat			
• Irrigated	962	1679	1243
Rain-fed	695	1099	969
Millets	514	1505	1207
Barley	875	2302	1706
Pulses	579	1270	1010
Cash crops:			
• Potato	1288	4525	2518
• Oilseeds	544	430	462
• Sugarcane	4250	5510	4796
Veg/Fruits			
• Winter	2351	7399	5459
• Summer	3480	2287	3300

Source: Household Survey 2012

Table 5: Average Livestock holdings by the districts and Impact Zone

Livestock Class	Darchula			Baitadi			Overall		
	DIZ	IIZ	Overall	DIZ	IIZ	Total	DIZ	IIZ	Overall
Cattle (Cow/Ox)	3.45	3.28	3.34	2.91	2.6	2.68	3.15	2.85	2.94
Buffalo (Male/Female)	1.47	1.46	1.46	1.46	1.35	1.38	1.46	1.39	1.41
Goats	2.67	5.95	4.87	5.47	3.7	4.17	4.23	4.53	4.44
Sheep	0.00	0.04	0.02	0	0.03	0.02	0.02	0.02	0.02
Chicken	0.71	0	0.23	0.5	0.31	0.36	0.59	0.20	0.31
Pigs	0	0	0.00	0	0.06	0.04	0.00	0.04	0.03
Horse	0	0.038	0.03	0	0.03	0.02	0.00	0.03	0.02
Ducks	0	0	0.00	0	0.009	0.01	0.00	0.01	0.00

Source: Household Survey 2012

Table 6: Status of Food Self Sufficiency of the Households

S N	Food adequacy	Darchula				Baitadi				Overall			
		DIZ	IIZ	Total	Percentage	DIZ	IIZ	Total	Percentage	DIZ	IIZ	Total	Percentage
1	Food Adequate for 12 months	40	32	72	26%	18	27	45	10.5	58	55	113	16.1
2	In-adequate food for 12 (Inadequate)	44	146	190	69.5	90	279	369	86.2	134	425	559	79.7
	Total	84	178	262	95.5*	108	306	414	96.7*	192	480	672	95.8*
3	Adequate time for inadequate family												
4	Less than 3 month	1	7	8	2.93	18	58	76	17.76	19	65	84	11.983
5	> 3 to < 6 Months	4	44	48	17.58	10	48	58	13.55	14	92	106	15.121
6	> 6 to < 9 Months	18	45	63	23.08	26	77	103	24.07	44	122	166	23.680
7	> 9 to < 12 Months	□□ 14	14	21	7.69	7	12	19	4.44	14	26	40	5.706
	Total for inadequate	30	110	140	51.28**	61	195	256	59.82**	91	305	396	56.49**

*4-5% didn't respond to the question

** The differential amount was not responded in the question for the adequacy of inadequate family