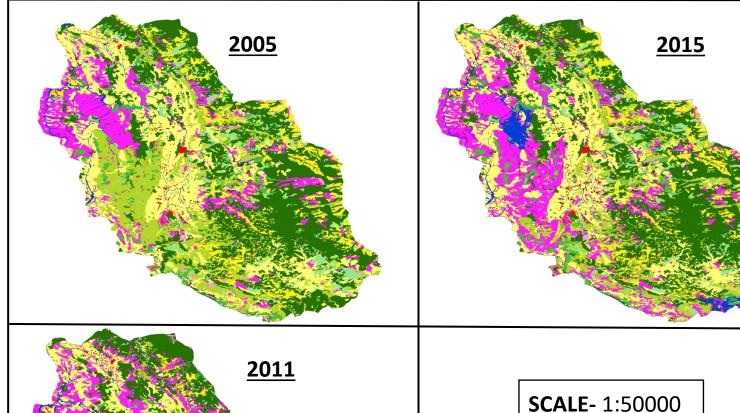
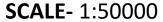
LULC MAPS OF MANDI





Team Name: Little Green

Topic: LULC Map

Team members: Lalita Gupta, Juhi

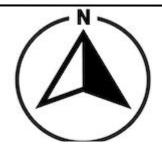
Chatterjee, Devansh Goel

Contact: 7838869212(Devansh Goel)

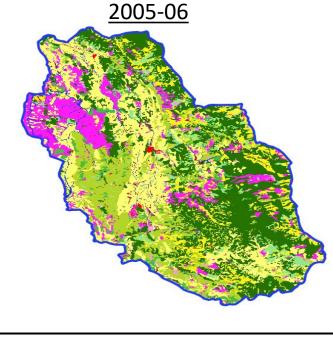
E-mail: lgupta0731@gmail.com, juhichatterjee2002@gmail.com

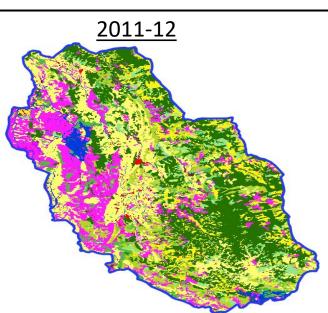


- Builtup, Urban
- Builtup,Rural
- Builtup, Mining
- Agriculture, Crop land
- Agriculture, Plantation
- Agriculture, Fallow
- Agriculture, Current Shifting Cultivation
- Forest, Evergreen / Semi evergreen
- Forest.Deciduos
- Forest Forest Plantation
- Forest, Scrub Forest
- Forest, Swamp/Mangroves
- Grass/Grazing
- Barren/unculturable/Wastelands, Salt Affected Land
- Barren/unculturable/Wastelands,Gullied/Ravinous Land
- Barren/unculturable/Wastelands, Scrub land
- Barren/unculturable/Wastelands, Sandy area
- Barren/unculturable/Wastelands, Barren rocky
- Rann
- Wetlands/Water Bodies, Inland Wetland
- Wetlands/Water Bodies, Coastal Wetland
- Wetlands/Water Bodies.River/Stram/Canals
- Wetlands/Water Bodies, Reservoir/Lakes/Ponds
- Snow and Glacier



LULC Change for 2005-06 and 2011-12





Legend

- 📕 Builtup,Urban
- Builtup,Rural
- Builtup, Mining
- Agriculture, Crop land
- Agriculture,Plantation
- Agriculture,Fallow
- Agriculture, Current Shif
- Forest,Evergreen / Semi evergreen
- Forest, Deciduos
- Forest, Forest Plantation
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Team Name: Little Green

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Chatterjee, Devansh Goel

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Map description and Analysis

Introduction

Mandi is a district in Himachal Pradesh having an area of 3950sq. km.

Hotspots(Huge change) in LULC for 2005 and 2011 Build-up/Urban

In 2005 built-up area was 8.86sq. km whereas it changes to 12.17sq km in 2011.

Forest/Scrub Forest

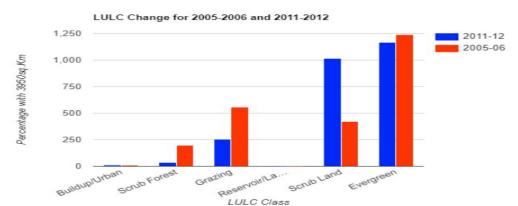
In 2005 Scrub Forest covered an area of 199.84sq. Km whereas it changes to 35.67sq km in 2011.

Grass/Grazing

In 2005 Scrub Forest covered an area of 554sq. Km whereas it changes to 35.67sq km in 2011.

Reservoir/Lakes/Ponds

In 2005 Scrub Forest covered an area of 0.49sq. Km whereas it changes to 2.34sq km in 2011.



LULC Change for 2011-12 and 2015-16 2011-12 Legend Builtup, Urban Builtup, Rural Builtup, Mining Agriculture, Crop land Agriculture, Plantation Agriculture, Fallow Agriculture, Current Shifting Cultivation Forest, Evergreen / Semi evergreen Forest, Deciduos Forest Plantation Forest, Scrub Forest Forest, Swamp/Mangroves Grass/Grazing Barren/unculturable/Wastelands.Salt Affected Land Barren/unculturable/Wastelands, Gullied/Ravinous Land Barren/unculturable/Wastelands, Scrub land Barren/unculturable/Wastelands, Sandy area Barren/unculturable/Wastelands, Barren rocky Rann 2015-16 Wetlands/Water Bodies, Inland Wetland Wetlands/Water Bodies, Coastal Wetland Wetlands/Water Bodies.River/Stram/Canals Wetlands/Water Bodies, Reservoir/Lakes/Ponds Snow and Glacier Team Name: Little Green Topic: LULC Map Team members: Lalita Gupta, Juhi Chatterjee, Devansh Goel Contact: 7838869212(Devansh Goel) E-mail: |gupta0731@gmail.com, juhichatterjee2002@gmail.com

Map description and Analysis

Hotspots(Huge change) in LULC for 2011-12 and 2015-16

Builtup/Mining

In 2011 Mining area was 3.62sq. km whereas it changes to 1.54sq km in 2015.

Agriculture/Crop Land

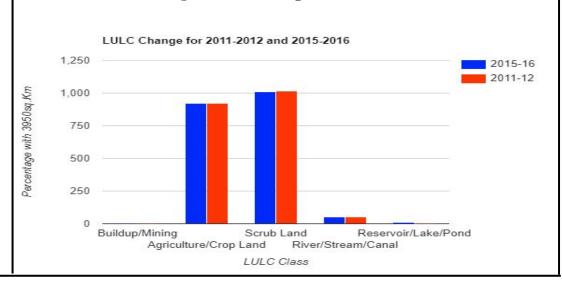
In 2011 crop land was 921.55sq. km whereas it changes to 920.5sq km in 2015.

Scrub Land

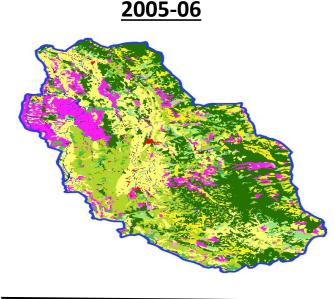
In 2011 scrub land was 1014.09sq. km whereas it changes to 1012.48sq km in 2015.

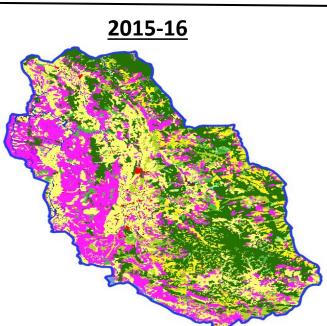
Reservoir/Lake/Pond

In 2011 reservoir/lake/pond area was 2.34sq. km whereas it changes to 10.3sq km in 2015.



LULC Change for 2005-06 and 2015-16





Legend

- 📕 Builtup,Urban
- Builtup,Rural
- Builtup, Mining
- Agriculture,Crop land
- Agriculture,Plantation
- Agriculture,Fallow
- Agriculture,Current Shifting Cardyadori
- Forest,Evergreen / Semi evergreen
- Forest, Deciduos
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Team members: Lalita Gupta, Juhi

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Map description and Analysis

Hotspots(Huge change) in LULC for 2005-06 and 2015-16

Agriculture/ Plantation

In 2005 Plantation area was 367.91sq. km whereas it changes to 306.43sq km in 2015.

Scrub Forest

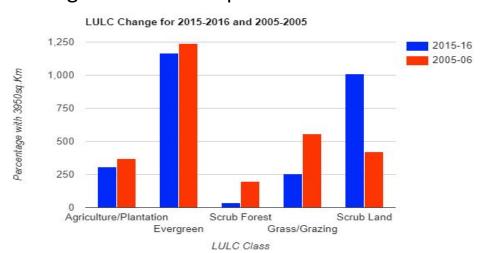
In 2005 Scrub Forest area was 199.84sq. km whereas it changes to 35.67sq km in 2015.

Grass/Grazing

In 2005 Grazing area was 554.94sq. km whereas it changes to 257.43sq km in 2015.

Scrub Land

In 2005 Scrub Land area was 423.17sq. km whereas it changes to 1012.48sq km in 2015.



					LULC DATASET AN	ND CHANGES	IN MANDI STATIST	ICS					
LULC CLASSES/YEAR		2005-06		2011-12		2015-16		Diff for 2011-12 and 2015-16		Diff for 2005-06 and 2011-12		Diff for 2005-06 and 2015-16	
Level-1	Level-2	Area(sq km)	% with 3950 sq. km	Area(sq km)	% with 3950 sq. km	Area(sq km)	% with 3950 sq. km	Area(sq km)	% change in area	Area(sq km)	% change in area	Area(sq km)	% change in area
Builtup	Urban	8.86	0.224303797	12.17	0.308101266	12.29	0.311139241	0.12	0.986031224	3.31	37.35891648	3.43	38.7133182
	Mining	2.84	0.071898734	3.62	0.09164557	1.54	0.038987342	-2.08	-57.45856354	0.78	27.46478873	-1.3	-45.77464789
	Rural	44.5	1.126582278	44.44	1.125063291	44.47	1.125822785	0.03	0.067506751	-0.06	-0.134831461	-0.03	-0.06741573
Agriculture	Plantation	367.91	9.314177215	306.86	7.768607595	306.43	7.757721519	-0.43	-0.140129049	-61.05	-16.59373216	-61.48	-16.7106085
	Crop Land	869.19	22.00481013	921.55	23.33037975	920.5	23.30379747	-1.05	-0.113938473	52.36	6.023999356	51.31	5.9031972
	Fallo₩	0	0	0.63	0.015949367	0.63	0.015949367	'	0	0.63	0	0.63	l
Forest	Evergreen/Semi evergreen	1237.72	31.33468354	1168.45	29.58101266	1167.84	29.56556962	-0.6	1 -0.052205914	-69.27	-5.59658081	-69.88	-5.64586497
	Deciduous	146.33	3.704556962	109.61	2.774936709	109.38	2.769113924	-0.23	-0.209834869	-36.72	-25.09396569	-36.95	-25.2511446
	Scrub Forest	199.84	5.059240506	35.67	0.903037975	35.67	0.903037975	(0	-164.17	-82.15072058	-164.17	-82.1507205
Grass	Grazing	554.94	14.04911392	257.68	6.523544304	257.43	6.51721519	-0.25	-0.097019559	-297.26	-53.5661513	-297.51	-53.6112012
Barren/Uncultured/		40.07	0.400005440	45.70	0.000.400074	45.70	0.000.40007				4 00 400 405 4		4 00 400 405
Wasteland	Gullied/Ravinous Land	16.07		15.78					J U	-0.29			
	Scrub Land	423.17		1014.09									
	Sandy Area	0.11		0.13) 0	0.02			
	Barren Rocky	26.01	0.658481013	5.6	0.141772152	5.56	0.140759494	-0.04	-0.714285714	-20.41	-78.4698193	-20.45	-78.6236063
Wetlands/													
Water Bodies	River/Stream/Canals	51.77	1.310632911	51.37	1.300506329	49.55	1.25443038	-1.82	-3.542923886	-0.4	-0.772648252	-2.22	-4.28819779
	Reservoir/Lakes/Ponds	0.49	0.012405063	2.34	0.059240506	10.3	0.260759494	7.96	340.1709402	1.85	377.5510204	9.81	2002.04081

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