

A B T R A C T

1. Survey area : (a) Priority subwatershed "Pctd of Pochampad Catchment Tah. Mudhol, Distt. Adilabad (Andhra Pradesh).

2. i) Total area surveyed and mapped : 2687 Ha.

ii) Period of survey - 14th March, 78 to 1st April, 78

3. Soil series mapped and area covered by each in ha

| <u>Series</u> | <u>Area in ha.</u> | <u>% of total under each series</u> |
|---|--------------------|-------------------------------------|
| 1. Basar | 87 | 3.2 |
| 2. Ekgaon | 146 | 5.4 |
| 3. Kolur | 34 | 1.3 |
| 4. Mudhol | 1804 | 67.1 |
| 5. Shetpali | 46 | 1.7 |
| 6. Tanur | 27 | 1.0 |
| 7. Timmapur | 44 | 1.6 |
| 8. Vitoli | 284 | 10.7 |
| 9. Other features like habitation, river, tank road, etc. | 215 | 8.0 |
| Total : 2687 | | <u>100.0</u> |

Pochampad submergence 1012

4. Land capability classification :

| <u>Land capability class</u> | <u>Area in ha.</u> | <u>Percentage</u> | <u>Soil series</u> |
|------------------------------|--------------------|-------------------|--------------------------|
| II-1 | 70 | 2.8 | Ekgaon, Vitoli |
| IIe-1 | 30 | 1.2 | Vitoli |
| IIes-1 | 424 | 17.2 | Mudhol |
| IIws-1 | 44 | 1.8 | Timmapur |
| IIIe-1 | 266 | 10.8 | Ekgaon, Vitoli, Shetpali |
| IIIes-1 | 1111 | 44.9 | Mudhol |
| IVe-1 | 110 | 4.4 | Ekgaon, Vitoli |
| IVes-1 | 38 | 1.5 | Basar |
| IVes-2 | 49 | 2.0 | Basar |

| <u>Land capability class</u> | <u>Area in ha.</u> | <u>Percentage</u> | <u>Soil series</u> |
|------------------------------|--------------------|-------------------|--------------------|
| IVes-3 | 269 | 10.9 | Mudhol |
| VIes-1 | 27 | 1.1 | Tanur |
| VIIes-1 | 34 | 1.4 | Kolur |

Total : 2472

5 Specific problems :

| | <u>Nature of problem</u> | <u>Problem area(ha.)</u> | <u>Associated soils</u> |
|----|--------------------------|--------------------------|--|
| 1. | Moderate erosion | 1869 | Basar, Ekgaon, Mudhol Shetpali, Vitoli |
| 2. | Severe erosion | 489 | Basar, Ekgaon, Mudhol, Kolur, Tanur, Vitoli |

Total : 2358