APPENDIX II

A number of fossils - both animal as well as plant - from different horizons of the study areas were collected during the mapping. A systematic identification and age determination was attempted with the help of the Central Palaeontological Laboratories of Geological Survey of India, Calcutta. A brief description of the various fossils is summarised in the following table:

TABLE

Sr.No.	Details of Location	Field identification.	Identifications from Central Palaeontological Laboratories.	Age Determination
1.	2.	3.	4.	5.
1.	Near the contact of Bhuj Series and Deccan Trap; 3.4 km. south of Meghpur village.	Fossilwood (Supra Trappean)	Fossil wood.	-
2.	1.8 km.from Narayanpur in 200° direction.	Fossilwood (Supra Trappean)	Fossil wood.	-
3.	800 m. north of Bharapur village (west of Bhuj-Mandvi road).	Fossilwood (Supra Trappean)	Fossil wood.	Upper Gondwana.
4.	2 km.from Sukhpur village in 215° direction.	Leaf impressions with stem. (Bhuj Series.)	Elatocladus jabalpurensis (Festimental). ?Cladophelbis sp.	Jabalpur.
5.	1.4 km. from Mankuva village in 130° direction.	Tiny leaf impression (Bhuj Series)	Unidentified small impressions,	
6.	1.4 km. from Bhuj in 195° direction.	Scattered leaf impression (Umia Series)	Unidentifiable small leaf impressions.	-
7.	Well sample near Meghpur Village (at 35 m. depth)	Black leaf impressions (Umia Series)	Cladophelbis sp.	Jabalpur.
8.	1.6 km.from Narayanpur village in 350°direction (East of Bhuj-Mandvi Road)	Fossilwood (Umia Series)	Stem impressions	-
9.	2.8 km.from Narayanpur in 350° direction	Lamellibranch impressions (Katrol Series)	Unidentifiable Lamellibranch impressions	-
10.	2.8 km. north of Meghpur village; West of Bhuj-Mandvi road.	Fossilwood (Ferruginous) (Katrol Series)	Fossilwood.	-
11.	2.8 km. north of Meghpur village; west of Bhuj-Mandvi road.	Fossilwood with thin impressions (Katrol Series)	Stem impression	-

1.	2.	3.	4.	5.
12.	2.8 km.north of Meghpur village.	Ammonite. (Katrol Series)	Pachysphinctes symmetricus (Spath)	Kimmeridgian
13.	800 m north of Shedata village.	Fossilwood. (Katrol Series)	Stem impression	
14.	2.8 km.southeast of Prag Sar Tank.	Ammonite (Katrol Series)	Torquatisphinctes primus (Spath)	Kimmeridgian.
15.	2.8 km. south of Fakirwari; east of Bhuj-Mandvi road.	Ammonite (Katrol Series)	Pachysphinctes symmetricus (Spath)	Kimmeridgian.
16.	2.4 km. from Mirzapur village (east of Bhuj-Mandvi road)	Ammonite (Katrol Series)	Pachysphinctes major (Spath)	Kimmeridgian.
17.	3.2 km.southeast of Walakhavas tank;(east of Bhuj-Mandvi road)	Ammonite (Katrol Series)	Torquatisphinctes alternephicatas (Waagen)	Kimmeridgian.
18.	1.2 km. south of Fakirwadi (east of Bhuj-Mandvi road)	Ammonites;Brachiopods (Chari Series)	(i) Sublunuloceras lairense (Waagen) (ii) Belemnopsis Katrolensis (Waagen) (iii) Terebratula eurytycha (Kitchin) (iv) Terebratula loorensis (Kitchin) (v) Rhynchonella formix (Kitchin) (vi) " nobilis (Sow) (vii) " recticandinalis (Kitchin)	Divesian Portandian Divesian - Argovian -do- -do- -do- -do-
19.	800 m. south-east of Fakirwari (West of Bhuj-Mandvi road).	Ammonite (Chari Series)	Perisphinctes sp.	?

1.	2.	3.	4.	5.
20.	1.6 Km. south of Bharasar.	Ammonites, Lamellibranch (Chari Series)	Mayaites rotundus (spath) Epimayaites transiens (Waagen) Astarte-major (Sow)	Divesian (?) and Argonian. Argovian -do-
21.	2.8 km. southwest of Samatra.	Ammonite (Chari Series)	Mayaites rotundus (Spath)	Divesian and Argonian.
22.	800 m. southwest of Walakhavas (west of Bhuj-Mandvi road)	Ammonites (ill preserved) (Chari Series)	Grossuvira evexa (Quenstadt)	Divesian.
23.	800 m. southwest of Walakhavas (west of Bhuj-Mandvi road)	Brachiood (Chari Series)	Rhynchonella fornix (Kitchin)	Argovian.
24.	3.2 km. south of Bharasar.	Brachiopod	Rhynchonella microrhyncha (Sow)	exact horizon not known.
25.	2.4 km. south of Bharasar.	Lamellibranch	Astarte sp.	-
26.	3.2 km. southwest of Bharasar.	Gastropods	Turritella sp.	-