

APPENDIX C

SEISMICITY

**APPENDIX C
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STATE OF LOUISIANA SEISMIC RISK MAP FIGURE C-1



CALIFORNIA INSTITUTE OF TECHNOLOGY
 PASADENA, CALIFORNIA

Woodward-Clyde



Engineering & sciences applied to the earth & its environment
 Baton Rouge, Louisiana

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SEISMICITY MAP
 OF THE STATE OF LOUISIANA

FILE NO.
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FIG. NO.

C-1

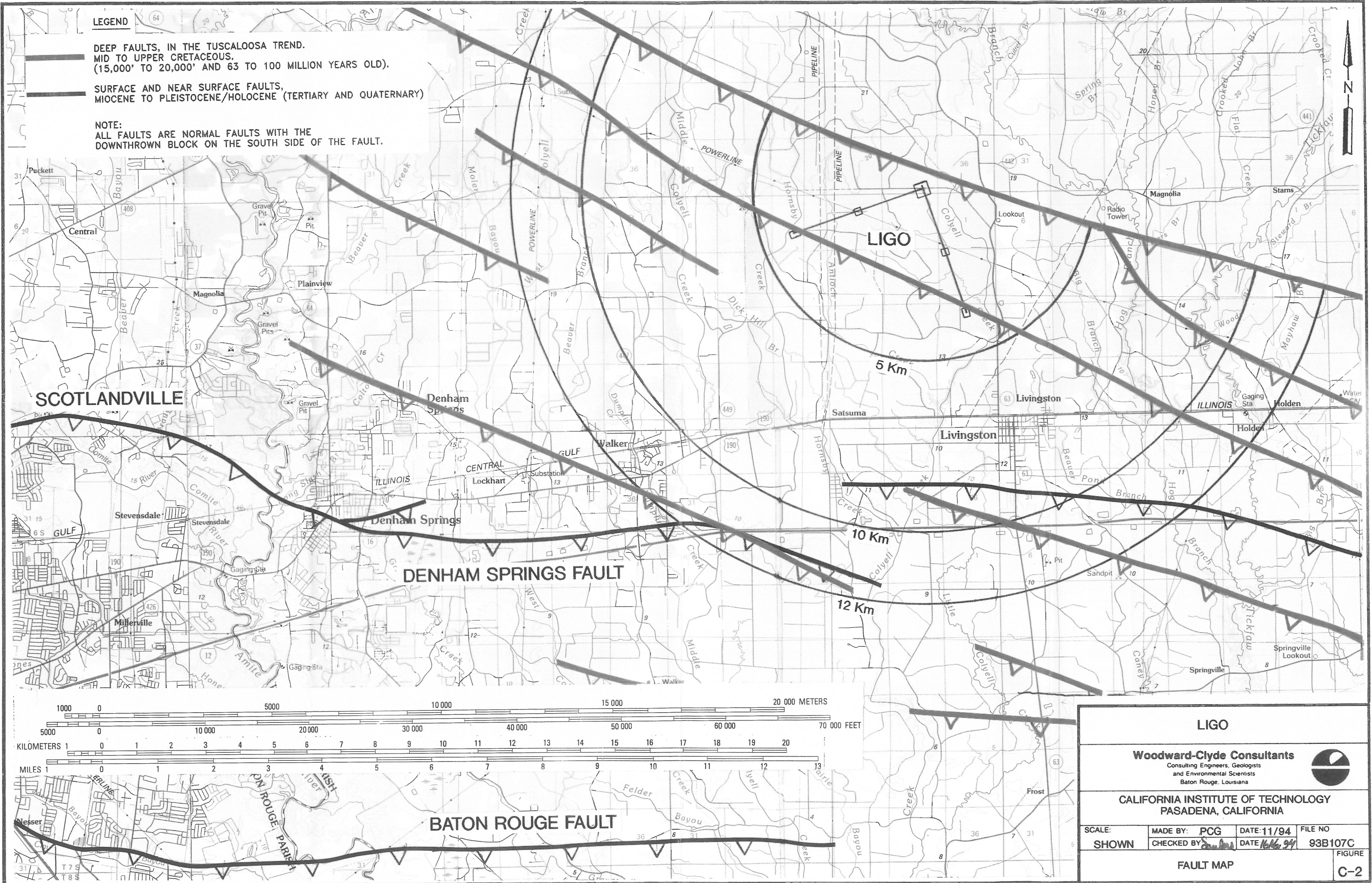
STATE OF LOUISIANA FAULT MAP FIGURE C-2

LEGEND

DEEP FAULTS, IN THE TUSCALOOSA TREND.
MID TO UPPER CRETACEOUS.
(15,000' TO 20,000' AND 63 TO 100 MILLION YEARS OLD).

SURFACE AND NEAR SURFACE FAULTS,
MIOCENE TO PLEISTOCENE/HOLOCENE (TERTIARY AND QUATERNARY)

NOTE:
ALL FAULTS ARE NORMAL FAULTS WITH THE
DOWNTHROWN BLOCK ON THE SOUTH SIDE OF THE FAULT.



SCOTLANDVILLE

DENHAM SPRINGS FAULT

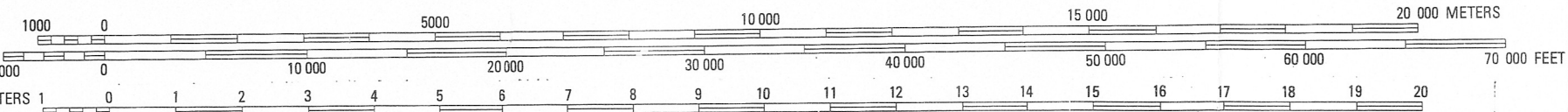
BATON ROUGE FAULT

LIGO

5 Km

10 Km

12 Km



LIGO			
Woodward-Clyde Consultants Consulting Engineers, Geologists and Environmental Scientists Baton Rouge, Louisiana			
CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA, CALIFORNIA			
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FAULT MAP			FIGURE C-2

CHRONOLOGY OF EARTHQUAKES TABLE C-1

TABLE C-1

**CHRONOLOGICAL LISTING OF EARTHQUAKES
FOR THE STATE OF LOUISIANA**

Date			Origin Time (UTC)			Lat.	Long.	Depth	Hypocenter		Magnitude		Intensity	
Year	Month	Day	H	M	S	(N)	(W)	(KM)	QUAL	REF	USGS	Other	MM	REF
1843	February	14	..	..	..	30.0	90.0	..	H	105	..	..	III*	105
1843	February	15	..	..	..	30.0	90.0	..	H	105	..	..	III*	105
1882	April	12	05	..	..	30.0	90.0	..	H	105	..	..	III	105
1886	January	22	16	38	..	30.4	92.0	..	G	105	..	..	II*	105
1905	February	03	..	..	..	30.5	91.1	..	G	106	..	..	V*	106
1927	December	15	04	30	..	29.0	89.4*	..	G	105	..	..	IV	105
1929	July	28	17	..	..	29.0	89.4	..	G	105	..	..	IV	105
1930	October	19	12	17	..	30.0	91.0	..	G	3	..	..	VI	38
1940	December	02	16	16	..	33.0	94.0*	..	G	105	..	..	IV	13
1947	September	20	21	30	..	31.9	92.7	..	G	105	..	..	V*	105
1958	November	06	23	08	..	30.0	90.0*	..	G	31	..	..	IV	31
1958	November	19	18	15	..	30.3	91.1	..	G	38	..	..	V	38
1959	October	15	15	45	..	29.6	93.1	..	H	105	..	..	IV	32
1959	October	15	..	..	..	29.6	93.1	..	H	105	..	..	III*	105
1964	April	24	07	33	53.0	31.6	93.8	..	B	37	3.7	..	V	37
1964	April	28	21	18	40.1	31.7	93.6	..	B	37	4.4	..	V	37

* Source U.S. Geological Survey

LOUISIANA EARTHQUAKE DATA SOURCES TABLE C-2

TABLE C-2**LIST OF LOUISIANA EARTHQUAKE DATA SOURCES**

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- Docekal, J., 1970, Earthquakes of the stable interior, with emphasis on the midcontinent, v. 2, A dissertation presented to the faculty of the graduate college in the University of Nebraska in partial fulfillment of requirements for the degree of Doctor of Philosophy, p. 1-332.
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**DATA SOURCES FOR SITE AND VICINITY
FAULT MAP AND SEISMIC INFORMATION C-3**

TABLE C-3**DATA SOURCES FOR SITE AND VICINITY
FAULT MAP AND SEISMIC INFORMATION**

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