



Base prepared by the Army Map Service (AMSS), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1955 by photogrammetric methods and from South Dakota 1:24,000, USGS, 1951-52. Planimetric detail derived by photo-planimetric methods. Horizontal and vertical control by USC&GS, USGS, and CE. Photography field annotated 1954.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

— S. DAKOTA NORTH — N. DAKOTA SOUTH

INDEX TO COUNTY BOUNDARIES

10' (See county designations list for county identification)

PLANE COORDINATE ZONES

□ S. DAKOTA NORTH □ N. DAKOTA SOUTH

HORIZONTAL CONTROL

Coast & Geodetic Survey

- ▲ Monumented Point - First Order
- △ Monumented Point - Second Order
- ▲ Monumented Point - Third Order
- Located Object - Third Order
- 60 Station reported not recovered
- Measured Base - Electronic or Taped
- Line of triangulation observed
- Line of triangulation observed from one end only
- Measured Length - Electronic or Taped
- Theodolite Traverse - Electronic Distance
- Transit Traverse - Taped Distance Third Order
- Transit Traverse and Leveling Third Order

Geological Survey

- ▲ Monumented Point - First Order
- △ Monumented Point - Second Order
- ▲ Monumented Point - Third Order
- Located Object - Third Order

WASHINGTON

- Line of triangulation observed
- Line of triangulation observed from one end only
- Measured Length - Electronic or Taped
- Theodolite Traverse - Electronic Distance
- Transit Traverse - Taped Distance Third Order
- Transit Traverse and Leveling Third Order

STATE SURVEY CONTROL

- Horizontal or Vertical

VERTICAL CONTROL

Coast & Geodetic Survey

- First Order
- Second Order
- Third Order

Geological Survey

- First Order
- Second Order
- Third Order

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

TRANSVERSE MERCATOR PROJECTION

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

LEGEND

ROAD DATA 1954

- RAILROADS: Single track Double or Multiple
- Standard gauge
- Narrow gauge
- ROADS: Hard surface, heavy duty; More than two lanes wide; Two lanes wide, Federal route marker; Hard surface, medium duty; More than two lanes wide; Two lanes wide, State route marker; Improved light duty; Unimproved dirt; Trail
- BOUNDARIES: International; State; County; Park or reservation
- LANDMARKS: Schools; Church; Other
- Horizontal control point
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

LOCATION DIAGRAM FOR NL 13-9

INDEX TO COUNTY BOUNDARIES

45 103 4	45 103 1	45 102 4	45 102 1
45 103 3	45 103 2	45 102 3	45 102 2

COAST AND GEODETIC SURVEY

THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

45 103 4	45 103 1	45 102 4	45 102 1
45 103 3	45 103 2	45 102 3	45 102 2

GEOLOGICAL SURVEY

FIFTEEN MINUTE QUADRANGLE DESIGNATION

394	393	392	391	390	389	388	387
363	362	361	360	359	358	357	356
332	331	330	329	328	327	326	325
300	299	298	297	296	295	294	293

INDEX TO COUNTY BOUNDARIES

393	Faith	392	Leadville	391	Ladner	390	Leadville	389	Ladner	388	Leadville	387	Leadville
386	Haynes	385	Leadville	384	Leadville	383	Leadville	382	Leadville	381	Leadville	380	Leadville
379	Leadville	378	Leadville	377	Leadville	376	Leadville	375	Leadville	374	Leadville	373	Leadville
372	Leadville	371	Leadville	370	Leadville	369	Leadville	368	Leadville	367	Leadville	366	Leadville
365	Leadville	364	Leadville	363	Leadville	362	Leadville	361	Leadville	360	Leadville	359	Leadville
358	Leadville	357	Leadville	356	Leadville	355	Leadville	354	Leadville	353	Leadville	352	Leadville
351	Leadville	350	Leadville	349	Leadville	348	Leadville	347	Leadville	346	Leadville	345	Leadville
344	Leadville	343	Leadville	342	Leadville	341	Leadville	340	Leadville	339	Leadville	338	Leadville
337	Leadville	336	Leadville	335	Leadville	334	Leadville	333	Leadville	332	Leadville	331	Leadville
330	Leadville	329	Leadville	328	Leadville	327	Leadville	326	Leadville	325	Leadville	324	Leadville
323	Leadville	322	Leadville	321	Leadville	320	Leadville	319	Leadville	318	Leadville	317	Leadville
316	Leadville	315	Leadville	314	Leadville	313	Leadville	312	Leadville	311	Leadville	310	Leadville
309	Leadville	308	Leadville	307	Leadville	306	Leadville	305	Leadville	304	Leadville	303	Leadville
302	Leadville	301	Leadville	300	Leadville	299	Leadville	298	Leadville	297	Leadville	296	Leadville
295	Leadville	294	Leadville	293	Leadville	292	Leadville	291	Leadville	290	Leadville	289	Leadville
288	Leadville	287	Leadville	286	Leadville	285	Leadville	284	Leadville	283	Leadville	282	Leadville
281	Leadville	280	Leadville	279	Leadville	278	Leadville	277	Leadville	276	Leadville	275	Leadville
274	Leadville	273	Leadville	272	Leadville	271	Leadville	270	Leadville	269	Leadville	268	Leadville
267	Leadville	266	Leadville	265	Leadville	264	Leadville	263	Leadville	262	Leadville	261	Leadville
260	Leadville	259	Leadville	258	Leadville	257	Leadville	256	Leadville	255	Leadville	254	Leadville
253	Leadville	252	Leadville	251	Leadville	250	Leadville	249	Leadville	248	Leadville	247	Leadville
246	Leadville	245	Leadville	244	Leadville	243	Leadville	242	Leadville	241	Leadville	240	Leadville
239	Leadville	238	Leadville	237	Leadville	236	Leadville	235	Leadville	234	Leadville	233	Leadville
232	Leadville	231	Leadville	230	Leadville	229	Leadville	228	Leadville	227	Leadville	226	Leadville
225	Leadville	224	Leadville	223	Leadville	222	Leadville	221	Leadville	220	Leadville	219	Leadville
218	Leadville	217	Leadville	216	Leadville	215	Leadville	214	Leadville	213	Leadville	212	Leadville
211	Leadville	210	Leadville	209	Leadville	208	Leadville	207	Leadville	206	Leadville	205	Leadville
204	Leadville	203	Leadville	202	Leadville	201	Leadville	200	Leadville	199	Leadville	198	Leadville
197	Leadville	196	Leadville	195	Leadville	194	Leadville	193	Leadville	192	Leadville	191	Leadville
190	Leadville	189	Leadville	188	Leadville	187	Leadville	186	Leadville	185	Leadville	184	Leadville
183	Leadville	182	Leadville	181	Leadville	180	Leadville	179	Leadville	178	Leadville	177	Leadville
176	Leadville	175	Leadville	174	Leadville	173	Leadville	172	Leadville	171	Leadville	170	Leadville
169	Leadville	168	Leadville	167	Leadville	166	Leadville	165	Leadville	164	Leadville	163	Leadville
162	Leadville	161	Leadville	160	Leadville	159	Leadville	158	Leadville	157	Leadville	156	Leadville
155	Leadville	154	Leadville	153	Leadville	152	Leadville	151	Leadville	150	Leadville	149	Leadville
148	Leadville	147	Leadville	146	Leadville	145	Leadville	144	Leadville	143	Leadville	142	Leadville
141	Leadville	140	Leadville	139	Leadville	138	Leadville	137	Leadville	136	Leadville	135	Leadville
134	Leadville	133	Leadville	132	Leadville	131	Leadville	130	Leadville	129	Leadville	128	Leadville
127	Leadville	126	Leadville	125	Leadville	124	Leadville	123	Leadville	122	Leadville	121	Leadville
120	Leadville	119	Leadville	118	Leadville	117	Leadville	116	Leadville	115	Leadville	114	Leadville
113	Leadville	112	Leadville	111	Leadville	110	Leadville	109	Leadville	108	Leadville	107	Leadville
106	Leadville	105	Leadville	104	Leadville	103	Leadville	102	Leadville	101	Leadville	100	Leadville
99	Leadville	98	Leadville	97	Leadville	96	Leadville	95	Leadville	94	Leadville	93	Leadville
92	Leadville	91	Leadville	90	Leadville	89	Leadville	88	Leadville	87	Leadville	86	Leadville
85	Leadville	84	Leadville	83	Leadville	82	Leadville	81	Leadville	80	Leadville	79	Leadville
78	Leadville	77	Leadville	76	Leadville	75	Leadville	74	Leadville	73	Leadville	72	Leadville
71	Leadville	70	Leadville	69	Leadville	68	Leadville	67	Leadville	66	Leadville	65	Leadville
64	Leadville	63	Leadville	62	Leadville	61	Leadville	60	Leadville	59	Leadville	58	Leadville
57	Leadville	56	Leadville	55	Leadville	54	Leadville	53	Leadville	52	Leadville	51	Leadville
50	Leadville	49	Leadville	48	Leadville	47	Leadville	46	Leadville	45	Leadville	44	Leadville
43	Leadville	42	Leadville	41	Leadville	40	Leadville	39	Leadville	38	Leadville	37	Leadville
36	Leadville	35	Leadville	34	Leadville	33	Leadville	32	Leadville	31	Leadville	30	Leadville
29	Leadville	28	Leadville	27	Leadville	26	Leadville	25	Leadville	24	Leadville	23	Leadville
22	Leadville	21	Leadville	20	Leadville	19	Leadville	18	Leadville	17	Leadville	16	Leadville
15	Leadville	14	Leadville	13	Leadville	12	Leadville	11	Leadville	10	Leadville	9	Leadville
8	Leadville	7	Leadville	6	Leadville	5	Leadville	4	Leadville	3	Leadville	2	Leadville
1	Leadville	0	Leadville	0	Leadville	0	Leadville	0	Leadville	0	Leadville	0	Leadville

ORDER CONTROL DATA IN BLACK

BY 30 MINUTE QUADRANGLE UNITS

FROM DIRECTOR, COAST AND GEODETIC SURVEY, WASHINGTON 25, D.C.

ORDER CONTROL DATA IN RED

BY 15 MINUTE QUADRANGLE UNITS

FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON 25, D.C.

LEMMON, SOUTH DAKOTA, NORTH DAKOTA

(NL 13-9)

AUGUST 1962

DECEMBER 1962
 PUBLISHED AND PRINTED BY:
 U. S. DEPARTMENT OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON D. C.

INDEX TO
 NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

QUADS 451021-2-3-4 & 451031-2-3-4
 N DAK-S DAK
 LATITUDE 45°00' TO 46°00'
 LONGITUDE 102°00' TO 104°00'
 DIAGRAM NL 13-9 LEMMON

KEY NO.	STATION NAME	QUAD NO.	STATION NO.	KEY NO.	STATION NAME	QUAD NO.	STATION NO.
1.	BUFFALO, GRAND RIVER LUTHERAN CHURCH, CROSS BUFFALO, MUNICIPAL WATER TANK						
2.	BM D 119 LEMMON, MUNICIPAL WATER TANK LEMMON, SPENCER MEMORIAL PRESBYTERIAN CHURCH, SPIRE LEMMON, AMERICAN LUTHERAN CHURCH, SPIRE LEMMON, PUBLIC SCHOOL, FLAGPOLE LEMMON, MUNICIPAL STANDPIPE						