12563 THRU 12573

Sheets to hang on tubes filed in back of vault

12563 THRU 12573

Diag. Cht. No. 1.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey: Shoreline

Field No. Ph-21414 Office No. T-12563 thru T-12573

LOCALITY

State: Arizona - Nevada

General locality: Lake Mead

Locality:

1963

CHIEF OF PARTY

G.R.Cichy, Chief of Field Party

J.E.Waugh, Div. Of Photo.,Wash.,D.C.

LIBRARY & ARCHIVES

DATE: September 1964

USCOMM-DC 5087

FORM C&GS-181a
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 12563 thru 12573

PROJECT NO. (II): 12310-801 (21414)	
FIELD OFFICE (II): Boulder City, Nevada	CHIEF OF PARTY: Gerald R. Cichy
PHOTOGRAMMETRIC OFFICE (III): Washington,D.C.	OFFICER-IN-CHARGE: J.E. Waugh
INSTRUCTIONS DATED (II) (III): March 30,1964 Supplement No. 1 April 1, 1964 May 6, 1964	
METHOD OF COMPILATION (III): Multiplex and Kelsh	
MANUSCRIPT SCALE (III): 1 : 12,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): Multiplex 1 : 10,000 Kelsh 1:4800
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE: / DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): N.A. 1927	VERTICAL DATUM (III): MEAN SEA LEVEL EXCEPT AS FOLLOWS: *Elevations shown as (25) refer to mean high water* *Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water* Lake level at 1150 Ft. MSL
REFERENCE STATION (III):	
LAT.: / LONG.:	☐ ADJUSTED ☐ UNADJUSTED
PLANE COORDINATES (IV): Y = X =	STATE: Nevada / ZONE: East

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

FORM C&GS-181b
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II):	DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Time and date of photography. Office interpretation	
PROJECTION AND GRIDS RULED BY (IV):	DATE
PROJECTION AND GRIDS CHECKED BY (IV):	DATE
CONTROL PLOTTED BY (III): J.C. Richter	DATE Jan.-May,1964
CONTROL CHECKED BY (III): J.A. Mooney	DATE Jan.-May,1964
~~RADIAL PLOT OR~~ STEREOSCOPIC CONTROL EXTENSION BY (III): J.C. Richter	DATE Jan.-May,1964
STEREOSCOPIC INSTRUMENT COMPILATION (III): J.C.Richter — ~~PLANIMETRY~~ Shoreline J.C.Richter	DATE Jan.- May,1964
CONTOURS J.C.Richter	DATE June,1964 ~~JAN.-MAY,1964~~
MANUSCRIPT DELINEATED BY (III): M. Webber	DATE Jan.-May,1964
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):	DATE

REMARKS:

FORM C&GS-181c
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Single lens "K" and "W" 6 inch focal length

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
See attached list	26 Sept.1963	K 8:30 to 13:30 W 10:10 to 10:20	1:24,000	1150 ft. above MSL

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:			
SUBORDINATE STATION:			
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):		DATE:	
PROOF EDIT BY (IV):		DATE:	
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 61	RECOVERED: 61	IDENTIFIED: 61	
NUMBER OF BM(S) SEARCHED FOR (II):	RECOVERED:	IDENTIFIED	

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

Photographs for Project 21414
Lake Mead

63K646	thru	659
682	"	689
693	"	713
715	"	725
728	"	731
734	"	740
744	"	755
758	"	764
772	"	781
784	"	790
792	"	799
804	"	814
823	"	832
837	"	840
860	"	868
870	"	878
881	"	887
890	"	895
897	"	913
927	"	934
939	"	942
955	"	962
970	"	977
989	"	991
991	"	998
1002	"	1006
1010	"	1015
1019	"	1024

Panchromatic

63W538	Thru	548
555	"	560
570	"	578
588	"	593

Lake Mead, Arizona, Nevada

Project No. 21414

January thru June, 1964

Photogrammetric Plot Report.

21. Area Covered.

This report comprises eleven manuscripts covering Lake Mead. The surveys included are T-12563 thru T-12573.

22. Method.

The multiplex was used for horizontal bridging on 1:10,000 scale mylar base sheets with Nevada State Grid ruled at 5000 foot intervals.

The attached sketch shows photographs and control that was used in the bridging.

Bridging was started at the Northern part of Overton Arm and run South to Virgin Basin. Then starting at the West end of Las Vegas Bay and running East to connect with Virgin Basin. Then starting at the East end of Pierces Ferry Basin and running into Virgin Basin.

The photographs used were single lens infrared at 1:24,000 scale and single lens panchromatic at 1:24,000 scale. The latter was used in the bridge for pass points to be used to contour the Northern part of Overton Arm and at the Eastern end of Pierces Ferry Basin.

All photographs were taken with the lake level at 1150 feet above mean sea level.

Pass points were established for reference and the shoreline, foreshore rocks and islands were delineated for transfer to 1:12,000 Manuscripts.

23. Adequacy of control.

Sixty one triangulation stations were used to control the bridges. Forty five of these stations were premarked and located on the photographs. One was premarked but had to be located by substitute stations and fifteen additional stations were field identified by substitute stations.

Each bridge had a minimum of two control stations, one at each end. Maximum of eight projectors in any one bridge.

23 (con,t)

All stations held good except for station Gorge 1. This station was located by state coordinates by the field party and the position identified on the photograph was approximately 425 feet south west of the plotted position.

Some of the subsitute stations were very difficult to see due to the small images pricked for multiplex and some were due to no contrast of the photographs. At least one subsitute station at each station could be seen and held.

24. Supplemental data.

None

25. Photography.

The photographs were adequate as to coverage, overlap and definition.

Quality of the diapositives was good.

Respectfully submitted

John C Richter

John C. Richter
Carto.

Approved and forwarded. K.H.L.

COMPILATION REPORT
T-12563 thru T-12573

31. DELINEATION.

The shoreline was delineated by multiplex on 1:10,000 scale work sheets then reduced on the vertical projector to 1:12,000 scale application to manuscripts.

There is no field inspection for this area.

32. CONTROL.

Control was adequate.

33. SUPPLEMENTAL DATA.

U.S.G.S. Quadrangles, Iceberg Canyon 1953, Virgin Basin 1953, Henderson 1952, Overton Beach 1953 and Hoover Dam 1953 scale 1:62,500 was used for Geographic Names.

34. CONTOURS AND DRAINAGE.

Drainage ,no comment.

Contours were delineated by Kelsh at 1:12,000 scale holding vertical control points established by the field party on 1:24,000 scale panchromatic contact photographs.

The area of Pierces Ferry Basin was the only area contoured in this office.

35. SHORELINE AND ALONGSHORE DETAILS.

All shoreline was delineated from office interpretation from infrared photography. There is no low water lines.

36. OFFSHORE DETAILS.

No comment.

37. LANDMARKS AND AIDS.

Inapplicable.

38. CONTROL FOR FUTURE SURVEYS.

Inapplicable.

39. JUNCTIONS.

All manuscripts are in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY.

No comment.

41 thru 45.

Inapplicable

46. COMPARISON WITH EXISTING MAPS.

Comparison has been made with U.S.G.S. Quadrangles Iceberg Canyon 1953, Virgin Basin 1953, Henderson 1952, Hoover Dam 1953 and Overton Beach 1953 scale 1:62,500 and is in good agreement except for the area north of The Narrows in Virgin Arm which is now filled with sediment and only a small stream is shown instead of the lake. The same applies to the area South East of Piaute Point to the entrance of the Colorado River into Lake Mead.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with nautical charts No.5457A-5457B scale 1:48,000 2nd edition dated Oct.17,1955 revised Oct.16,61.

No.5458A-5458B scale 1:48,000 2nd edition dated Oct.17,1955 revised Sept.4,1961.

No.5459A-5459B scale 1:48,000 2nd edition dated Oct,24,1955 revised Sept.2,1963.

Items to be applied to nautical charts immediately.

The area north of The Narrows to the Virgin River in the northern part of Overton Arm and the area from Piaute Point to the Lower Granite Gorge is now full of sediment. 5455B 5459B

Items to be carried forward.

None.

Respectfully submitted

John C. Richter

John C. Richter
Cartographer

K.W.M.

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT CONTROL RECORD

MAP T-12563 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
N2	Letter 7 Oct63	N.A. 1927	474664.10			1421.6 (102.4)	
			731260.56			384.2 (1139.8)	
RICH	"	"	458875.62			1181.3 (342.7)	South of
			734719.55			1438.5 (85.5)	limits
N3	"	"	485044.56			13.6 (1510.4)	
			732454.40			748.1 (775.9)	
N5B	"	"	501339.82			408.4 (1115.6)	
			714228.42			1288.8 (235.2)	
VEGAS WASH NO.1	"	"	507715.08			827.6 (696.4)	North of
			706504.08			458.4 (1065.6)	limits
VEGAS WASH NO.2	"	"	499181.29			1274.5 (249.5)	
			734586.20			1397.9 (126.1)	
N8A	"	"	499778.49			1456.5 (67.5)	
			744704.57			1434.0 (90.0)	
N10A	"	"	502749.83			838.1 (685.9)	Common with
			757912.21			887.6 (636.4)	T-12564-563
N1	Read out	"	468549.47			1081.9 (442.1)	
			743410.75			1039.6 (484.4)	
N1 Sub.Sta. 1	C S I	"	468842.21			1171.1 (352.9)	
			744197.31			1279.3 (244.7)	
N1 Sub.Sta. 2	C S I	"	468764.00			1147.3 (376.7)	
			743805.08			1159.8 (364.2)	

1 FT. = .3048006 METER

COMPUTED BY J. C. Richter DATE May 1964 CHECKED BY J.A.Mooney DATE May 1964

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE, COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT CONTROL RECORD

MAP T- T-12563 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
A3	Read out	N.A. 1927	476541.79				469.9	(1054.1)		
			748119.73				950.9	(573.1)		
A3 Sub.Sta. 1	CSI	"	477725.25				830.7	(693.3)		
			747878.20				877.3	(646.7)		
A3 Sub.Sta. 2	"	"	476265.40				385.7	(1138.3)		
			748504.00				1068.0	(456.0)		
A3 Sub.Sta. 3	"	"	476500.66				457.4	(1066.6)		
			747486.17				757.8	(766.2)		
A2B	Read out	"	469931.48				1503.1	(20.9)		
			758570.71				1088.4	(435.6)		
A2B Sub.Sta. 1	Clary	"	469938.76				1505.3	(18.7)		
			758559.82				1085.0	(439.0)		
A2B Sub.Sta. 2	"	"	469900.42				1493.7	(30.4)		
			758550.60				1082.2	(441.8)		
A2	Letter Oct.7	"	477300.86				701.3	(822.7)		
			754217.40				1285.5	(238.5)		
ROUGH	"	"	460835.52				254.7	(1269.3)		
			741350.80				411.7	(1112.3		

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May 1964

COMM-DC-57843

ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT NTROL RECORD

MAP T- 12654 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
N10A	Letter Oct,7	N.A. 1927	502749.83			838.1 (685.9)	Common with
			757912.21			887.6 (636.4)	T-12563-564
INDIAN CANYON	"	"	500888.30			270.8 (1253.2)	
			776126.30			343.3 (1180.7)	
N25	Read out	"	510906.73			276.2 (1247.8)	
			796045.71			318.7 (1205.3)	
N25 Sub.Sta.	Clary	"	510776.17			236.6 (1287.4)	
			795201.17			61.3 (1462.7)	
N12	Letter Oct.7	"	506687.62			514.4 (1009.6)	
			775955.36			291.2 (1232.8)	
A20	"	"	510696.88			212.4 (1311.6)	
			798433.88			1046.6 (477.4)	
A5	Read out	"	488958.76			1206.6 (317.4)	
			763818.63			1163.9 (360.1)	
A5 Sub.Sta. 1	Clary	"	488979.10			1212.8 (311.2)	
			763875.40			1181.2 (342.8)	
A5 Sub.Sta. 2	"	"	488945.36			1202.5 (321.5)	
			763849.55			1173.3 (350.7)	
N27A	Read out	"	513017.89			919.9 (604.1)	
			806308.65			398.9 (1125.1)	
N27A Sub.Sta. 1	CSI	"	513276.59			998.7 (525.3)	
			809757.66			1450.1 (73.9)	
N27A Sub.Sta. 2	"	"	512660.70			811.0 (713.0)	
			805862.30			262.8 (1261.2)	

1 FT = .3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12565 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 · DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
A25DA	Letter Oct.7	N.A. 1927	474607.37			1404.3 (119.7)	
			829792.19			1460.7 (63.3)	
A24	"	"	498639.88			1109.4 (414.6)	
			814662.89			1421.3 (102.7)	
N27A	Read out	"	513017.89			919.9 (604.1)	Common with
			806308.65			398.9 (1125.1)	T-12564-565
N27A Sub.Sta.1	CSI	"	513276.59			998.7 (525.3)	"
			809757.66			1450.1 (73.9)	"
N27A Sub.Sta.2	"	"	512660.70			811.0 (713.0)	"
			805862.30			262.8 (1261.2)	"
N31	Read out	"	514196.32			1279.0 (245.0)	
			828964.75			1208.5 (315.5)	
N31 Sub.Sta.1	Clary	"	514186.82			1276.2 (247.8)	
			828998.54			1218.8 (305.2)	
N31 Sub.Sta. 2	"	"	514157.56			1267.2 (256.8)	
			828973.35			1211.1 (312.9)	
A25	Read out	"	490916.55			279.4 (1244.6)	
			821408.53			429.3 (1094.7)	
A25 Sub.Sta. 1	Clary	"	490934.54			284.9 (1239.1)	
			821417.26			432.0 (1092.0)	
A25 Sub.Sta. 2	"	"	490899.80			274.3 (1249.7)	
			821453.51			443.0 (1081.0)	
N34	Letter Oct.7	"	516542.61			470.2 (1053.8)	Common with
			839289.87			1307.6 (216.4	T-12566-565

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT [redacted]NTROL RECORD

MAP T-12565 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
A26C	Letter Oct.7	N.A. 1927	492622.22			799.3 (724.7)	Common with
			841531.26			466.7 (1057.3)	T-12566-565

1 FT.=.3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12566 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
N34	Letter Oct.7	N.A. 1927	516542.61				470.2	(1053.8)	Common with	
			839289.87				1307.6	(216.4)	T-12565-566	
A26C	"	"	492622.22				799.3	(724.7)	"	
			841531.26				466.7	(1057.3)	"	
A27A	"	"	497891.43				881.3	(642.7)		
			844936.62				1504.7	(19.3)		
A32	"	"	500466.29				142.1	(1381.9)		
			861136.74				346.5	(1177.5)		
N38	"	"	530298.91				91.1	(1432.9)		
			851542.34				470.1	(1053.9)		

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE May, 1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT [redacted]NTROL RECORD

MAP T- 12567 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
N39	Letter Oct.7	N.A. 1927	542381.18			725.8 (798.2)	
			844543.09			1384.7 (139.2)	
N45	"	"	550873.34			266.2 (1257.8)	
			856887.43			575.3 (948.7)	
N55A	"	"	567099.26			639.9 (884.1)	
			843936.26			1199.8 (324.2)	
N62	"	"	577446.93			745.8 (778.2)	
			856316.10			401.1 (1122.9)	
N49	"	"	555767.97			234.1 (1289.9)	
			851233.32			375.9 (1148.1)	
N49 Sub.Sta.1	Clary	"	555743.13			226,5 (1297.5)	
			851275.90			388.9 (1135.1)	
N49 Sub.Sta.2	"	"	555705.22			215.0 (1309.0)	
			851246.90			380.1 (1143.9)	
N61	Read out.	"	579149.09			1264.6 (259.4)	
			843562.54			1085.9 (438.1)	
N61 Sub.Sta.1	Clary	"	579161.66			1268.5 (255.5)	
			843525.62			1074.6 (449.4)	
N61 Sub.Sta. 2	"	"	579232.74			1290.1 (233.9)	
			843554.86			1083.5 (440.5)	

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT [illegible]TROL RECORD

MAP T- 12568 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
N70	Letter Oct.7	N.A. 1927	601888.48				575.6	(948.4)		
			869426.68				1349.3	(174.7)		
N69	Read out	"	600124.38				37.9	(1486.1)		
			855292.97				89.3	(1434.7)		
N67	"	"	595413.55				126.1	(1397.9)		
			863467.56				1056.9	(467.1)		
N67 Sub.Sta. 1	Clary	"	595485.65				148.0	(1376.0)		
			863457.51				1053.9	(470.1)		
N67 Sub.Sta.2	"	"	595356.88				108.8	(1415.2)		
			863457.84				1054.0	(470.0)		
N80C	Letter Oct.7	"	628557.93				1084.5	(439.5)	Common with	
			866439.32				438.7	(1085.3)	T-12569-568	
N80D	"	"	630643.38				196.1	(1327.9)	"	
			864000.98				1219.5	(304.5)	"	
N75	"	"	618203.44				976.4	(547.6)	"	
			860543.75				165.7	(1358.3)	"	

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT NTROL RECORD

MAP T- 12569 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
N92	Letter Oct.7	N.A. 1927	648000.85				914.7	(609.3)		
			845423.92				129.2	(1394.8)		
VIRGIN ARM SUB.STA.	"	"	657462.32				750.5	(773.5)		
			865672.15				204;9	(1319.1)		
N91	"	"	641162.24				354.3	(1169.7)		
			841961.25				597.8	(926.2)		
N80C	"	"	628557.93				1084.5	(439.5)	Common with	
			866439.32				438.7	(1085.3	T-12568-569	
N80D	"	"	630643.38				196.1	(1327.9)	"	
			864000.98				1219.5	(304.5)	"	
N75	"	"	618203.44				976.4	(547.6)	"	
			860543.75				165.7	(1358.3)	"	

1 FT.=.3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT CONTROL RECORD

MAP T-12570 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
N107	Letter Oct,7	N.A. 1927	505790.78			241.0 (1283.0)	
			867488.88			758.6 (765.4)	

1 FT. = .3048006 METER

COMPUTED BY: J.C.RIchter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT NTROL RECORD

MAP T- 12571 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
A36	Letter Oct.7	N.A. 1927	473956.34			1205.9 (318.1)	
			869435.46			1351.9 (172.1)	
N112	"	"	484340.30			1322.9 (201.1)	
			880561.47			171.1 (1352.9)	
A47	"	"	462650.55			807.9 (716.1)	
			902857.96			871.1 (652.9)	
N126	"	"	464749.42			1447.6 (76.4)	
			907263.19			689.8 (834.2)	

1 FT.=.3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12572 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
A58	Letter Oct,7	N.A. 1927	466720.18			524.3 (999.7)	
			924599.76			1402.0 (122.0)	
N143	"	"	510484.84			147.8 (1376.2)	
			936213.05			369.7 (1154.3)	
A65	Read out	"	491939.99			591.3 (932.7)	
			937412.80			735.4 (788.6)	
A65 Sub.Sta.1	Clary	"	491938.69			590.9 (933.1)	
			937405.82			733.3 (790.7)	
A65 Sub.Sta.2	"	"	491946.77			593.4 (930.6)	
			937422.82			738.5 (785.5)	
N137	Read out	"	482598.87			792.1 (731.9)	
			924288.37			1307.1 (216.9)	
N137 Sub.Sta.1	Clary	"	482498.73			761.6 (762.4)	
			924237.11			1291.5 (232.5)	
N137 Sub.Sta.2	"	"	482620.41			798.7 (725.3)	
			924276.49			1303.5 (220.5)	
N131	Read out	"	468640.67			1109.7 (414.3)	
			918716.81			1132.9 (391.1)	
N131 Sub.Sta.1	CSI	"	468711.56			1131.3 (392.7)	
			918167.00			965.3 (558.7)	
N131 Sub.Sta.2	"	"	468656.51			1114.5 (409.5)	
			918545.37			1080.6 (443.4)	

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

ORM 164
4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT [illegible]NTROL RECORD

MAP T-12573 PROJECT NO. 21414 SCALE OF MAP 1:12,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
GRAND WASH No2	Letter Oct.7	N.A. 1927	549882.36			1488.1 (35.9)	
			964843.52			1476.3 (47.7)	
A89	"	"	531288.41			392.7 (1131.3)	
			963672.84			1119.5 (404.5)	
A97	"	"	521531.44			466.8 (1057.2)	
			968334.35			1016.3 (507.7)	
A76	Read out	"	528435.68			1047.2 (476.8)	
			953682.92			1122.6 (401.4)	
A76 Sub.Sta. 1	Clary	"	528453.38			1052.6 (471.4)	
			953711.60			1131.3 (392.7)	
A76 Sub.Sta.2	"	"	528413.17			1040.3 (483.7)	
			953674.03			1119.9 (404.1)	
A115	Letter Oct,7	"	501466.24			446.9 (1077.1)	
			970682.85			208.1 (1315.9)	
A116	"	"	502444.65			745.1 (778.9)	
			968847.29			1172.7 (351.3)	
A109	Read out	"	507859.92			871.7 (652.3)	
			981406.15			428.6 (1095.4)	
A109 Sub.Sta.1	Clary	"	507863.75			872.9 (651.1)	
			981413.28			430.8 (1093.2)	
A109 Sub.Sta.2	"	"	507853.00			869.6 (654.4)	
			981413.91			431.0 (1093.0)	
GORGE 1	Letter Oct.7	"	501855.14			565.4 (958.6)	East of [illegible]
			990752.98			229.5 (1294.5)	limits

1 FT. = .3048006 METER

COMPUTED BY: J.C.Richter DATE May,1964 CHECKED BY: J.A.Mooney DATE May,1964

COMM-DC-57843

GEOGRAPHIC NAMES
Ph 21414 (Nevada-Arizona)

T-12563

Black Island

Boulder Basin

Boulder Beach

Boulder Islands

Colorado River

Gypsum Wash

Hemenway Boat Harbor

Hemenway Wash

Lake Mead

Lake Mead Lodge

Lake Shore Highway

Las Vegas Bay

Las Vegas Beach

Las Vegas Wash

Saddle Island

Yacht Harbor

A. J. Wraight

A. J. Wraight
Geographic Names Section

GEOGRAPHIC NAMES

Ph 21414 (Nevada-Arizona)

T-12564

Arch Mountain
Beacon Rock
Bearing Peak
Black Canyon
Black Mountains
Borax Wash
Boulder Basin
Boulder Canyon
Boulder Peak
Boulder Wash
Burro Point
Callville Bay
Canyon Point
Canyon Ridge
Castle Reef
Colorado River
Fortification Hill
Fortification Ridge
Gilbert Canyon
Guardian Peak
Hamblin Bay
Hoover Dam
Indian Canyon
James Bay
Kingman Wash
Lake Mead
Lovell Wash
Paint Pots
Petroglyph Wash
Promontory Point
Pyramid Peak
Saddle Mountain
Sandstone Spring
Sandy Cove
Sentinel Island
Sugarloaf Mountain
Virgin Basin
West End Wash
Wishing Well Cove
Callville Wash

A. J. Wraight

A. J. Wraight
Geographic Names Section

GEOGRAPHIC NAMES
Ph 21414 (Virgin Basin, Nev.-Ariz.)

T-12565

Boathouse Cove

Bonelli Landing

Colorado River

Bonelli Bay

Crescent Cove

Detrital Reefs

Lake Mead

Middle Point Islands

Virgin Basin

A. J. Wraight

A. J. Wraight
Geographic Names Section

GEOGRAPHIC NAMES
Ph 21414 (Virgin Basin, Nev.-Ariz.)

T-12566

East Gypsum Bay

East Point

Gypsum Ledges

Gypsum Reefs

Lake Mead

Middle Point

Mushroom Reef

Napoleons Tomb

The Campanile

The Head

Virgin Basin

Walker Wash

West Gypsum Bay

Grebe Bay

A. J. Wraight

A. J. Wraight
Geographic Names Section

GEOGRAPHIC NAMES
Ph 21414 (Virgin Basin, Nev.-Ariz.)

T-12567

Cataract Wash

Catclaw Wash

Cleopatra Cove

Cleopatra Wash

Cormorant Rock

Manganese Wash

Miners Cove

Overton Arm

Lake Mead

Surprise Reef

Twin Springs

A. J. Wraight

A. J. Wraight
Geographic Names Section

GEOGRAPHIC NAMES
Ph 21414 (Overton Beach, Nevada)

T-12568

Bighorn Island
Black Mountains
Black Point
Black Ridge Island
Blue Point
Blue Point Spring
Calico Bay
Calico Wash
Cathedral Cove
Echo Bay
Echo Wash
Fire Bay
Fish Island
Getchel Spring
Heron Island
Kaolin Wash
Lake Mead
Lime Wash
Lower Narrows
Magnesite Wash
Gull Islands
Cathedral Peaks
Lime Cove

A. J. Wright
Geog. Names Sec.

Maynard Spring
Mockingbird Spring
Muddy River
Mud Wash
Overton Arm
Overton Anchorage
Overton Beach
Overton Islands
Overton Ridge
Quail Bay
Quail Spring
Quail Spring Wash
Ramshead Island
Red Bluff Spring
Rogers Bay
Rogers Spring
Rogers Wash
Salt Bay
Salt Cove
Salt Point
St. Thomas Wash
Stewarts Bay
Stewarts Point
The Narrows
Valley of Fire Wash
Virgin River

GEOGRAPHIC NAMES
Ph 21414 (Overton, Nevada)

T-12569

Bowman Reservoir

Glassand

Halfway Wash

Kaolin Wash

Magnesite Wash

Lake Mead

Moapa Valley

Mormon Mesa

Muddy River

Overton

Overton Airport

Overton Mesa

Overton Ridge

Overton Wash

Virgin

Virgin Mountains

Virgin River

Virgin Valley

Wieber Wash

A. J. Wraight

A. J. Wraight
Geographic Names Section

GEOGRPAHIC NAMES
Ph 21414 (Virgin Basin, Nev.-Ariz.)

T-12570

Colorado River

Delmar Bay

Haystack Bay

Lake Mead

The Haystacks

A. J. Wraight

A. J. Wraight
Geographic Names Section

GEOGRAPHIC NAMES
Ph 21414 (Virgin Basin, Nev.-Ariz.)

T-12571

Burro Bay

Colorado River

Delmar Butte

Gateway Cove

Mesa Cove

Teal Coves

Temple Wash

Temple Bay

Temple Mesa

The Temple

Trail Rapids Bay

Trail Rapids Wash

Temple Bar

Virgin Canyon

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A. J. Wraight
Geographic Names Section

GEOGRAPHIC NAMES
Ph 21414 (Virgin Basin, Nev.-Ariz.)

T-12572

Burro Bay

Burro Spring

Channel Reef

Channel Island

Colorado River

Gold Cross Peak

Granite Cove

Grapevine Mesa

Gregg Basin

Hiller Mountains

Hualapai Bay

Hualapai Island

Hualapai Wash

Lake Mead

Osprey Bay

Salt Spring Bay

Scanlon Hill

South Bay

Spring Canyon

Spring Cove

Temple Mesa

Virgin Canyon

Virgin Reef

Wild Burro Wash

Rocky Point

A. J. Wraight

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Geographic Names Section

GEOGRAPHIC NAMES
Ph 21414 (Iceberg Canyon, Nev.-Ariz.)

T-12573

Badger Cove
Boundary Point
Boundary Hill
Bradley Bay
Burro Spring Wash
Center Point
Colorado River
Connoly Spring
Connoly Wash
Cormorant Cliffs
Cottonwood Canyon Wash
Crappie Cove
Devils Cove
Driftwood Cove
Grand Wash Bay
Grand Wash Canyon
Grand Wash
Gods Pocket
Gregg Basin
Gregg Wash
Howland Point
Iceberg Reef
Iceberg Ridge
Iceberg Canyon
Indian Hills
Indian Hills Wash
Lake Mead
Million Hills
Million Hills Wash
New Spring
New Spring Wash
North Bay
North Howland Cove
Paiute Point
Pierce Wash
Powell Mountain
Sandy Point
South Bay
South Howland Cove
Sunfish Cove
Thumb Knob
Twin Coves
Wheeler Ridge
Chuckwalla Cove

A. J. Wraight

A. J. Wraight
Geographic Names Section

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-12563 - T-11573

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
18687	12-14-79	Gregory B. Morris	Adequately ~~Full Part~~ Before ~~After Verification~~ Review Inspection Signed Via
(661-SC)		T-12563-64 RAL	Drawing No. 8A Considered adequately charted
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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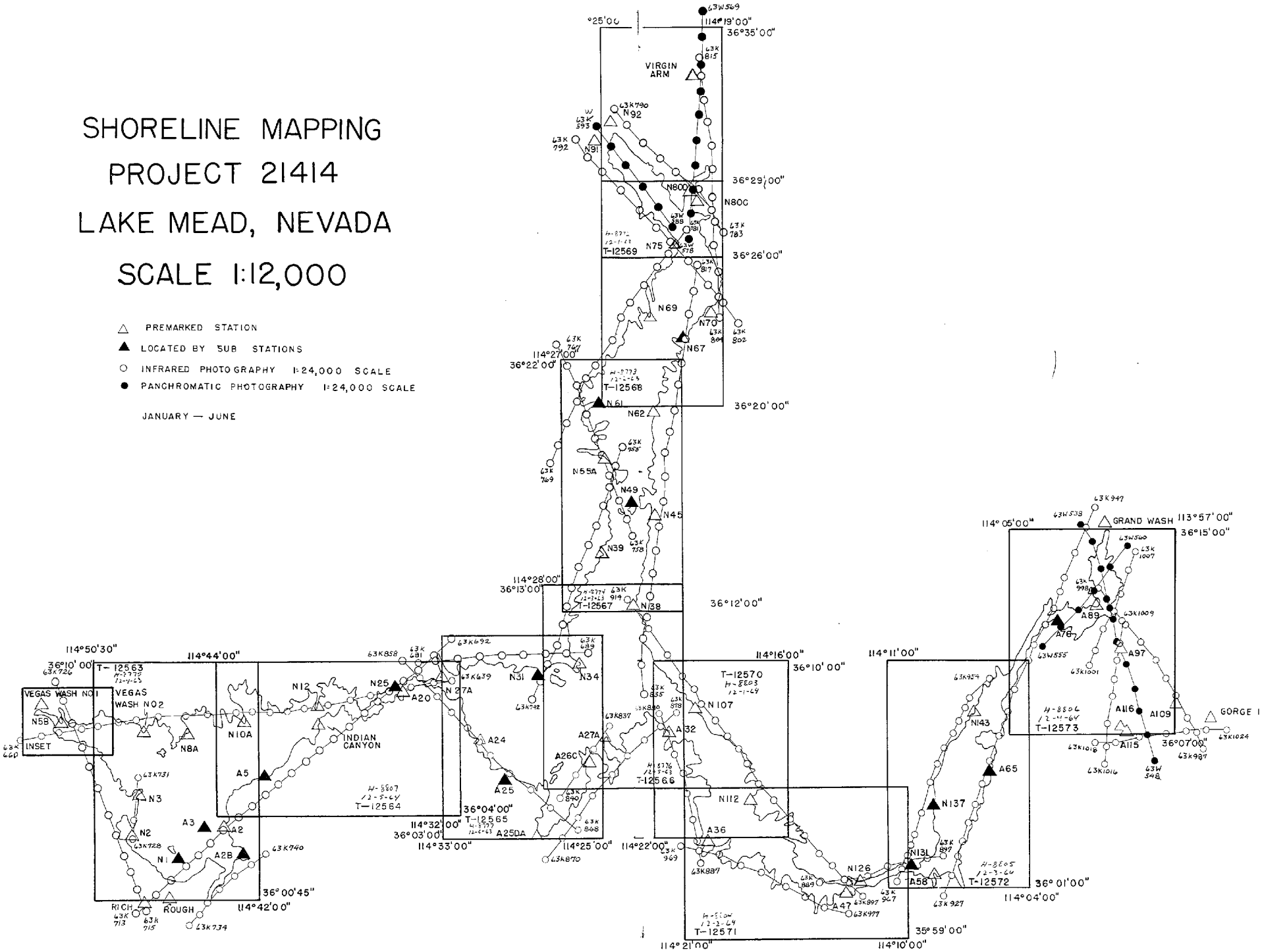
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

SHORELINE MAPPING
PROJECT 21414
LAKE MEAD, NEVADA
SCALE 1:12,000

△ PREMARKED STATION

▲ LOCATED BY SUB STATIONS

○ INFRARED PHOTOGRAPHY 1:24,000 SCALE

● PANCHROMATIC PHOTOGRAPHY 1:24,000 SCALE

JANUARY — JUNE