

12563 THRU 12573

Sheets to log for tubes filed in back 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

T-12563 thru

Field No. Ph-21414

Office No. 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

USCOM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 12563 thru 12573

PROJECT NO. (II):

12310-801

(21414)

FIELD OFFICE (III):

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 : 10,000Kelsh
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):

STATE

ZONE

=

X =

Nevada

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.

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):		DATE
J.C. Richter		Jan.-May, 1964
CONTROL CHECKED BY (III):		DATE
J.A. Mooney		Jan.-May, 1964
RADIANT POINT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
J.C. Richter		Jan.-May, 1964
STEREOSCOPIC INSTRUMENT COMPILATION (III):		DATE
PLANIMETRY		DATE
Shoreline J.C. Richter		Jan.- May, 1964
J.C. Richter		DATE
CONTOURS		DATE
J.C. Richter		June, 1964 JAN.-MAY, 1964
MANUSCRIPT DELINEATED BY (III):		DATE
M. Webber		Jan.-May, 1964
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
REMARKS:		

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

63W 538	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 substitute 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 substitute 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. L. M.

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 ^{5455B} the northern part of Overton Arm and the area from Piaute Point to ^{5459B} the Lower Granite Gorge is now full of sediment.

Items to be carried forward.

None.

Respectfully submitted

John C. Richter
John C. Richter
Cartographer

K. D. D.

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
TROL 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 N.A. 7 Oct 63	1927	474664.10 731260.56			1421.6 (102.4) 384.2 (1139.8)	
RICH	"	"	458875.62 734719.55			1181.3 (342.7) 1438.5 (85.5)	South of limits
N3	"	"	485044.56 732454.40			13.6 (1510.4) 748.1 (775.9)	
N5B	"	"	501339.82 714228.42			408.4 (1115.6) 1288.8 (235.2)	
VEGAS WASH NO.1	"	"	507715.08 706504.08			827.6 (696.4) 458.4 (1065.6)	North of limits
VEGAS WASH NO.2	"	"	499181.29 734586.20			1274.5 (249.5) 1397.9 (126.1)	
N8A	"	"	499778.49 744704.57			1456.5 (67.5) 1434.0 (90.0)	
N10A	"	"	502749.83 757912.21			838.1 (685.9) 887.6 (636.4)	Common with T#12564-563
N1	Read out	"	468549.47 743410.75			1081.9 (442.1) 1039.6 (484.4)	
N1 Sub.Sta. 1	C S I	"	468842.21 744197.31			1171.1 (352.9) 1279.3 (244.7)	
N1 Sub.Sta. 2	C S I	"	468764.00 743805.08			1147.3 (376.7) 1159.8 (364.2)	

SCALE FACTOR

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL 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 757912.21			838.1 (685.9) 887.6 (636.4)	Common with T-12563-564
INDIAN CANYON	"	"	500888.30 776126.30			270.8 (1253.2) 343.3 (1180.7)	
N25	Read out	"	510906.73 796045.71			276.2 (1247.8) 318.7 (1205.3)	
N25 Sub.Sta.	Clary	"	510776.17 795201.17			236.6 (1287.4) 61.3 (1462.7)	
N12	Letter Oct. 7	"	506687.62 775955.36			514.4 (1009.6) 291.2 (1232.8)	
A20	"	"	510696.88 798433.88			212.4 (1311.6) 1046.6 (477.4)	
A5	Read out	"	488958.76 763818.63			1206.6 (317.4) 1163.9 (360.1)	
A5 Sub.Sta. 1	Clary	"	488979.10 763875.40			1212.8 (311.2) 1181.2 (342.8)	
A5 Sub.Sta. 2	"	"	488945.36 763849.55			1202.5 (321.5) 1173.3 (350.7)	
N27A	Read out	"	513017.89 806308.65			919.9 (604.1) 398.9 (1125.1)	
N27A Sub.Sta. 1	CSI	"	513276.59 809757.66			998.7 (525.3) 1450.1 (73.9)	
N27A Sub.Sta. 2	"	"	512660.70 805862.30			811.0 (713.0) 262.8 (1261.2)	

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 ϕ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	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

SCALE FACTOR

1 FT. - 3048006 METER	COMPUTED BY: J.C.Richter	DATE: May, 1964	CHECKED BY: J.A. Mooney	DATE: May, 1964	COMM-DC-57843
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U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT
COAST AND GEODETIC SURVEY
CONTROL RECORD

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

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
N39	Letter Oct. 7	N.A. 1927	542381.18 844543.09				725.8 (798.2) 1384.7 (139.2)		
N45	"	"	550873.34 856887.43				266.2 (1257.8) 575.3 (948.7)		
N55A	"	"	567099.26 843936.26				639.9 (884.1) 1199.8 (324.2)		
N62	"	"	577446.93 856316.10				745.8 (778.2) 401.1 (1122.9)		
N49	"	"	555767.97 851233.32				234.1 (1289.9) 375.9 (1148.1)		
N49 Sub.Sta.1	Clary	"	555743.13 851275.90				226.5 (1297.5) 388.9 (1135.1)		
N49 Sub.Sta.2	"	"	555705.22 851246.90				215.0 (1309.0) 380.1 (1143.9)		
N61	Read out.	"	579149.09 843562.54				1264.6 (259.4) 1085.9 (438.1)		
N61 Sub.Sta.1	Clary	"	579161.66 843525.62				1268.5 (255.5) 1074.6 (449.4)		
N61 Sub.Sta. 2	"	"	579232.74 843554.86				1290.1 (233.9) 1083.5 (440.5)		

SCALE OF MAP 1:12,000

OR

1 FT. = .3048006 METER	COMPUTED BY: J.C. Richter	DATE: May, 1964	CHECKED BY: J.A. Mooney	DATE: May, 1964	COMM-DC-57843
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SCALE FACTOR

1 FT. = .3048006 METER	COMPUTED BY: J.C. Richter	DATE: May, 1964	CHECKED BY: J.A. Mooney	DATE: May, 1964	COM- DC-57843
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U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 12572 PROJECT NO. 21444 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 924599.76			524.3 (999.7) 1402.0 (122.0)	
N143	"	"	510484.84 936213.05			147.8 (1376.2) 369.7 (1154.3)	
A65	Read out	"	491939.99 937412.80			591.3 (932.7) 735.4 (788.6)	
A65 Sub.Sta.1	Clary	"	491938.69 937405.82			590.9 (933.1) 733.3 (790.7)	
A65 Sub.Sta.2	"	"	491946.77 937422.82			593.4 (930.6) 738.5 (785.5)	
N137	Read out	"	482598.87 924288.37			792.1 (731.9) 1307.1 (216.9)	
N137 Sub.Sta.1	Clary	"	482498.73 924237.11			761.6 (762.4) 1291.5 (232.5)	
N137 Sub.Sta.2	"	"	482620.41 924276.49			798.7 (725.3) 1303.5 (220.5)	
N131	Read out	"	468640.67 918716.81			1109.7 (414.3) 1132.9 (391.1)	
N131 Sub.Sta.1	CSI	"	468711.56 918167.00			1131.3 (392.7) 965.3 (558.7)	
N131 Sub.Sta.2	"	"	468656.51 918545.37			1114.5 (409.5) 1080.6 (443.4)	

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL 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		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
GRAND WASH No2	Letter N.A. Oct. 7	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)	
All5	Letter Oct. 7	"	501466.24				446.9	(1077.1)	
			970682.85				208.1	(1315.9)	
All6	"	"	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
			990752.98				229.5	(1294.5)	limits

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

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

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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

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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

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Geographic Names Section

GEOGRAPHIC NAMES
Ph 21414 (Overton Beach, Nevada)

T-12568

Bighorn Island	Maynard Spring
Black Mountains	Mockingbird Spring
Black Point	Muddy River
Black Ridge Island	Mud Wash
Blue Point	Overton Arm
Blue Point Spring	Overton Anchorage
Calico Bay	Overton Beach
Calico Wash	Overton Islands
Cathedral Cove	Overton Ridge
Echo Bay	Quail Bay
Echo Wash	Quail Spring
Fire Bay	Quail Spring Wash
Fish Island	Ramshead Island
Getchel Spring	Red Bluff Spring
Heron Island	Rogers Bay
Kaolin Wash	Rogers Spring
Lake Mead	Rogers Wash
Lime Wash	Salt Bay
Lower Narrows	Salt Cove
Magnesite Wash	Salt Point
Gull Islands	St. Thomas Wash
Cathedral Peaks	Stewarts Bay
Lime Cove	Stewarts Point
	The Narrows
	Valley of Fire Wash
	Virgin River

*A. J. Wraight
Geog. names sec.*

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

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Geographic Names Section

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

T-12570

Colorado River

Delmar Bay

Haystack Bay

Lake Mead

The Haystacks

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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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Geographic Names Section

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

T-12572

Burro Bay

Virgin Canyon

Burro Spring

Virgin Reef

Channel Reef

Wild Burro Wash

Channel Island

Rocky Point

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

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Geographic Names Section

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

T-12573

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

Geographic Names Section

SCALE 1:12,000

- PANCHROMATIC PHOTOGRAPHY 1:24,000 SCALE

JANUARY — JUNE