												1
										, , , , , , , , , , , , , , , , , , , ,	j 4	
1 1	+ + - +		4 +- 4 -1 1 1	1 1 1	الأمريق يتالس				- P		H .	j
	<u> </u>	+ <u> </u>	·			·	. · =====1		: : :	, -		
			1	DEPARTME U. S. COAS	FORM 504 ENT OF CO	j		-	* * * * * * * * * * * * * * * * * * *			
			11—50				_	4				
			1	DESCRII		•			· · ·			
		† †	Tor	oographic S				+	1 4 · · ·	,		
			Mi		ocality:	tnomsh Go .			 			
	以 (c)		Co	lumbia Riv	er.				: <u> </u>		· •	
60		* 1	Jun	ction Willa	mette River	and						
		* 1	Mu	ltnomah Ch	annel			 	· · ·		, + 	
· · ·					<i>19</i> 28	,		+	· · · · · · · · · · · · · · · · · · ·	-		
		Ţ	<u>Ar</u>		Ratti, H.	& G. Eng'r	·				!	
			<u> </u>				 J		,		_	
	. L	1	+ + :			+ ,		1_				
		- 1	+				• • • •				#,. <u>\</u>	-
, , , , , , , , , , , , , , , , , , , ,		-		, 4	****					-	, .	
			,								_,	

Descriptive Report to Accompany Topographic Sheet of Multnomah Channel, Multnomah Co/, Ore.

Limits and Extent: This sheet covers the junction of the Willamette River and the Multnomah Channel and extends down the Multnomah Channel for a distance of 2 2/3 statute miles. Satisfactory junctions with topographic sheet 1562 were made on both banks of the Willamette River.

General Description: The Multnomah Channel along this section has rather steep clay banks from 16 to 24 feet above low water (U.S.E. datum). There are flat bottom lands on both sides which are flodded by extreme high waters. The West bank of the Willamette River also has rather steep clay banks but the East bank has a more gentle slope at this section. The East bank of the Willamette River seems to be building up but the West bank is changing very little. The Multnomah Channel also seems to be guite stabile along this section.

There is a row of piles and dolphins from © Boy to © Com, from © Hap to o Jet, and from © Ben to © Paw. These piling along the banks of the channel are for making fast log hooms. Most of the hydrographic signals located were piles and dolphins.

The old dike at the entrance of the Multnomah Channel is submerged at about 12 feet above low water (U.S.E. datum).

Survey Methods: This survey was made by plane table traverse with checks by plane table triangulation and resection. A Start was used for the starting point with azimuth from & Start to A Gatton. A river hight of about 8 feet above low water (U.S.E. datum) was used as the high water mark.

Respectfully submitted.

Harvey O. Westly Aid. C. & G. Survey.

Inspected and found adequate except that approved Inspected and O Hollamette R. opposite P.O. Bar Front Dr. has built out 220 miles from the charted location (the same as T. 1562) 45° 38' where the old and new shorelines appear to join. ____ E.P. Echi, mar, 1928

Feb.23. , 19 28.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Seattle, Wash.

The following determindescription given below, an				nent, :	can Aı	be readily gust	distingui براست	Ratt	='	
		1,-4	320						hief of Party.	
. •				Position.				- Wathed of		
DESCRIPTION.	Latitude.			Longitude.			Datum,	Method of deter- mination.	Charts affected.	
	. ,		D. M. meters.	۰ ,		D. P. meters.				
P.O.Bar Front Range	45	37	1495	122 47		755		2090.	6154	
" Rear Range	45		1706	122	47	804	, ,	tt	13	
				11.5039.	Y.I					
Smokostnok	÷ ü	37	1792	55	49	325			11	
ater Tank (Bleck)	45	- 38 -	1450	122	49	795		#		
ter Tank (Green)	15	38	+682	122 -	-19	-622				
			,		7/	Jez	,			
			•:					-		
		_,						-		
· 3	-									
		. //	-							
		-								
								-		
								-		
				-						
				-						
							'			
	-							_		
				-			- 	-		
	1		l	1		J	j	1	1	

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

11—5048

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No.

REGISTER NO. 4320

State Oregon-		
•	Columbia River, Maltnomah County	
Junch	tion of Willamette River and Multnomah Channe momen Ghennel	<u>.</u>
	·	_
Scale 1 -2 2000	Date of survey Feb. , 1	.92 °
Vessel Lultno	omah Channel Survey Party	
Chief of Party	A.P.Ratti	
Surveyed by	H.O.Westoy	
Inked by	H.Q.W.	
Heights in feet abo	oveto ground to tops of t	rees
Contour, Approxima	te contour, Form line intervalfe	et
Instructions dated	Dec. 29, 1	.92Î
Remarks:	F	
	,	