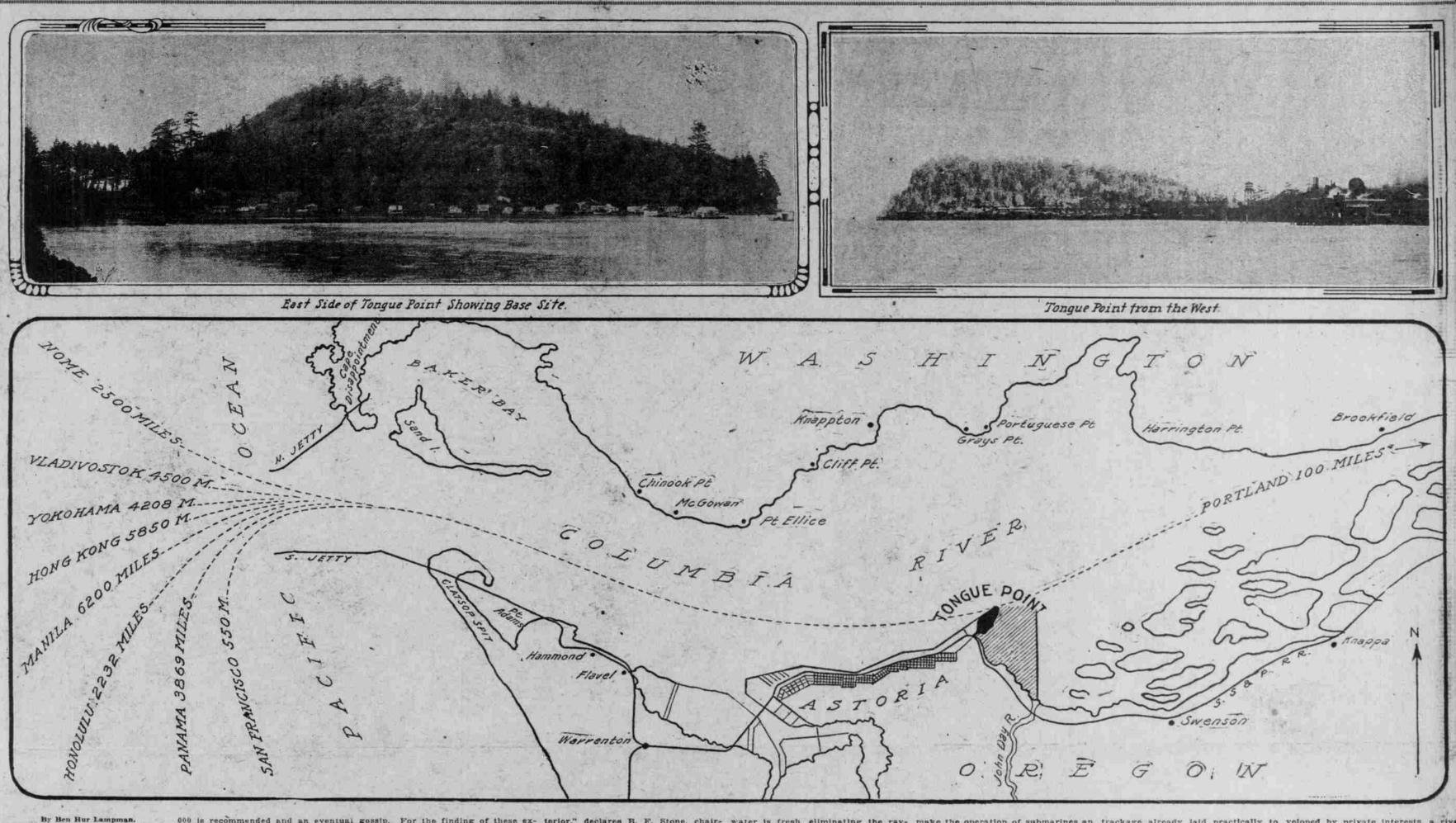
## ESTABLISHMENT OF NAVAL BASE WILL BE PROTECTION TO WHOLE NORTHWEST

Location Accepted by Government at Tongue Point and Cathla met Bay Declared to Be Ideal for Purposes of Defense-\$1,500,000 Is Recommended for Immediate Use-Astoria Gives Site With No Outside Aid



000 is recommended and an eventual gossip. For the finding of these ex- terior," declares B. F. Stone, chair- water is fresh, eliminating the rav- make the operation of submarines an trackage already laid practically to appropriation of \$7,500,000-though it pert navigators, as well as the proof man of the port commission of As- ages of the toredo. In connection assured success; the promontories in coast line, and paralleling the coast TIME was when the great waterway of the Columbia river needed no with timber construction this is a the inside harbor which project from for approximately 14 miles, affords which is now being used by vessels

IME was when the great waterway of the Columbia river needed no defense of ships and guns. The besmen came to the magnificent is understood that Astoria must con-tribute the site. A price of \$100,000 the fleet, demonstrates that the en-tribute the site. A price of \$100,000 the fleet, demonstrates that the en-tribute the site. A price of \$100,000 the fleet, demonstrates that the en-tribute the site. A price of \$100,000 the fleet, demonstrates that the en-tribute the site. A price of \$100,000 the fleet, demonstrates that the en-tribute the site. A price of \$100,000 the fleet, demonstrates that the en-tribute the site. A price of \$100,000 the fleet, demonstrates that the en-stable the site of the port commis-trane to the interior, over the the cances voyaged to new the cances voyaged to new tribesmen came to the magnificent stream to fish for salmon. It was their pathway to the interior, over which the cances voyaged to new may have complimented one another will not only afford the protection may have complimented one another will not only afford the protection that might come by sea. Only the salmon, lusty and red for the spear, salmon, lusty and red for the spear, of Astoria and the state of Oregon Drydock and through that break salmon, lusty and red for the spear, salmon, lusty and red for the spear, salmon, lusty and red for the spear, salmon, lusty and red for the spear. stream to fish for salmon. It was

ization, destined to play an important

Pacific coast.

lumbia river.

OFFICIAL INSPECTION BOARD REPORT.

From Special Board of Inspection of Naval Bases, etc., on the

To the Secretary of the Navy. Subject-Proposed submarine, destroyer and aviation base, Co-

1. The board is in full agreement with the report of the Helm

1. The board is in full agreement with the report of the fide commission as to necessity for the location of a submarine, destroyer and aviation base between Puget sound and San Francisco, and is in further agreement with the commission in its selection of the Tongue Point site at Astoria, Oregon, and the best site both strategically and factically. The board recommends the site in the locality chosen, but that a larger area, including all the shore front between the railroad ond the ultrated line avtending from the wast.

between the railroad and the pierhead line extending from the west-

ern point where Tongue Point peninsula joins the mainland around and including Tongue Point and along the shore line to the mouth

and including Tongue Point and along the shore line to the mouth of John Day river, is essential. 2. The board recommends that this area be secured at the earliest date practicable, either by gift or purchase; that its devel-opment to a capacity for the successful maintenance and operation of a minimum of 12 submarines, six destroyers and the necessary aircraft for the patrol of the waters in the vicinity of the mouth of the Columbia river be proceeded with at once; that the project be planned to be completed within three years, and that the plans be so made as to permit of the operation of double the force recom-mended above in time of emergency. 3. It is further recommended that the navy department take up with the war department the desirability of the dredging of the necessary channel and anchor ground in the vicinity of this pro-posed base to permit a safe entrance and anchorage of at least a division of dreadnoughts. This anchorage and channel develop-

necessary channel and anchor ground in the Vicinity of this proposed base to permit a safe entrance and anchorage of at least a division of dreadnoughts. This anchorage and channel development will not only be of great service to the fleet, but will be of greater ald to commerce and will permit and provide for the full use of the fine harbor facilities, built and building at Astoria. It is the opinion of the board that the problem of the Columbia river bar has been satisfactorily solved, there now being a depth of 42 feet over the bar, and the board is also of the opinion that it will be only a short time until a minimum of 50 feet will be obtained, thus making this a practicable port in any "weather.
4. It is recommended that an appropriation of a million and a half be obtained from the present congress, with authorization of the completion project not to exceed five million, to be completed within three years.
5. Although not, strictly speaking, a part of this report, the board calls attention of the department to the desirability, primarily from a commercial point of view, but also from the navy point of view, of the continued development of the Columbia river and the Willamette river as far as Portland, Oregon.
C. W. PARKS, Rear-Admiral, (CEC), U. S. Navy, Chief, Bureau Yards and Docks.

Chief, Bureau Yards and Docks.
 J. S. McKEAN. Rear-Admiral, U. S. Navy, Aust. Chief of Naval Operations.
 J. C. HILTON, Commander, (SC) U. S. Navy, Supplies and Accounts.

role in commerce and in the development of the American republic. And the sea lane, the road to deep sait water, was at once the avenue of trade and the possible approach of an enemy. The Columbia, from that dis-

arose does not belie the necessity. which still exists.

Not Oregon alone, but the Pacific northwest and all the coast country. may well be gratified at the recent decision of the special board of admirals of the navy department grant ing to Tongue Point and Cathlamet bay, near Astoria, a site for a submarine and destroyer base and aviation plain, with harbor facilities for a squadron of dreadnaughts. For the jutting fist of solid rock that breaks into the harpor a rifleshot east of the city of Astoria is the logical site for a defensive naval establishment—a guard at the portals of the great river itself, pledging the safety and security of the fertile lands and thriving cities that lie behind it.

## Site Long Favored.

Tongue Point is not a stranger to ine bevy of strategic locations that are included in the plan of Pacific coast defense. Naval committees have come and gone, each with a favorable opinion of its advantages. have been made and encouraging re-ports have been filed. But the actual status of Tongue Point and Cathlamet bay as the site for an im-portant naval base, a link in the armor of coast protection, was never definitely determined until November of last year, when Admirals Parks, McKean and Commander Hickson, who visited the site some months prior to the formulation of their report, recom-mended to Secretary Daniels that a naval base be established at Astoria, on the site offered by the local committee

The report of the board recommended that the government acquire all of Tongue Point and all of the shore line lying between Tongue Tongue Point and John Day river and that a minimum of 12 destroyers, six sub marines and a squadron of naval air-graft be detailed to the new base. The project also includes the dredging of anchorage space for a division of dreadnaughts, so that the mightiest fighting arm of the Pacific fleet may find haven near the base.

initial appropriation of \$1,500,

sible route to the Columbia basin and other part of the western slope. It the intermediate region between the Cascades and the Rocky mountains.

s fit for actual battle as for practice ruises. Old Bugaboo Vanished. When the board of admirals report-is favorably upon Tombus Point on the Pacific coast for number of admirals report-is the only point on the Pacific coast over San Francisco of 124 miles, and "It is the nearest point to Yoko-hama, having a sailing distance ad-vantage over Seattle of 294 miles, and "It is the nearest point to Yoko-hama, having a sailing distance ad-vantage over Seattle of 294 miles, and above Portland. vantage over Seattle of 294 miles, and When the board of admirals report-ed favorably upon Tongue Point and that possesses an extensive system of recommended that Secretary Daniels inland waterways, available for com-include their findings in his report to mercial uses, or for the distribution of congress, they settled once and for all troops for protective or offensive pur-the maintenance of an army or a navy. By Edward L. Wells. Meteorologist, U. S. Weather Bureau enemy. The Columbia, from that dis-tant day to this, stood in need of de-fenses. That the emergency never canard through mfstaken or malicious for a hostile approach upon the in-"The accessibility for a down-haul by river, rail or highway. easily assembled on a down-grade THE climate of Portland is charac-terized by mild, moist winters,

"The accessibility from the see of the Columbia harbor is indicated by the fact that the coast line of Oregon

and part of Washington forms a straight north-and-south line, and there are no islands or reefs in the known-in fact, have been given un-due prominence; others have not been so widely advertised. Fortland has the reputation of being a place of very heavy rainfall, with few pleasant days in the rainy sea-son. This reputation is not justified open roadstead of the ocean. Only one-half hour's sailing time from this open roadstead is required to reach the in-

side harbor. "An examination of the general chart of the coast shows the regular-ity of the curves of equal depth at the son. This reputation is not justified son. This reputation is not justified by the official records of the weather bureau. The average annual rainfall is 46.13 inches; this is about the same as that at New York city or Spring-field, Mo. It is more than four inches less than the average for Atlanta, Ga. Knoxville, Tenn., or Little Rock, Ark., and more than 12 inches less than the average for New Orleans, La While there are many rainy days in winter, there has not been a calendar Ity of the curves of equal depth at the approaches of the mouth of the Co-lumbia river—the soundings increas-ing at the rate of 30 feet per mile, reaching 300 feet when 11 miles west of the entrance. The general chart, as well as the most detailed coast survey chart of the entrance, the entrance and the vicinity show the approaches and the vicinity of the entrance to be free from sunken rocks or other hidden obstructions winter, there has not been a calendar which, with the uniform slope of the winter, there has not been a calendar month since official records were be-gun in 1871, without several days of Old residents are surprised to learn three months. Thunder is heard about ocean bed, permit vessels to stand close in when seeking to enter the harbor. The crossing at the mouth of the Columbia is very short, and the

3000 feet wide at mean low tide, and it is a well known fact today that access to the Columbia river is no more difficult than passage through

Inside the entrance there is a deep, wide and well-defined channel leading to a large area of protected anchor, age area of protected ancore, age anchor, age area of protected anchor,

with timber construction this is a the inside harbor which project from for approximately 14 miles, affords which is now being used by vessels distinct advantage to a port harbor- the shore, afford safe refuge for vessions of fabore vessels; the harbor is sels and ideal bases for harbor de- heavy mounted artillery against and coasters up to the large ocean-always free from ice; the average fense guns. The entrance to the Columbia river on account of freshets in the raitar or the Dardanelles. Its land and which were instrumental in com- river is noticeable, on account of the state of the columbia river is noticeable.

to converge their fire on a definite are two other coast detense forts rail transportation and capable of so feet. The oregonal spot; the channel has an even flow strategically located so they can be accommodating at one time four to pany operates a one-th and regular depth which greatly far made highly effective. The hills at five large ocean carriers. In addition dock having a length cilitates the planting of a veritable the mouth of the Columbia are well there are several commercial docks width of 69 feet, and do network of mines; the great depth screened by forest, affording a available for deep-draft vessels. which exists in the harbor would splendid mask for batteries. Railroad Portland—The city has already de-weight lifting capacity.

pany operates a one-piece floating dock having a length of 340 feet, width of 60 feet, and depth over keel blocks of 18 feet, and 3500 tons dead-

state, it demonstrates the possibili-

ties in the opening up of central Oregon with railroad transportation and the clearing up of our logged-off lands.

Through the careful selection of seed, having in mind the soil and climatic conditions through the difthe character of the seasons. The day. In the last 20 years there has normal annual temperature at Port-been snow enough to be measured at land is 52.4 degrees, which is about that hour on about five days each the same as that at Indianapolis, winter. Ind., and compares closely with that Portland has sufficient breeze to

bigh winds and destructive storms. This does not mean, however, that protected from high winds by the sur-some of these characteristics are well the temperature throughout the year movement is 6 miles an hour; at other billizer or regulator of prices. With

Tear.	Permits.	Valuation.
905	2.318	\$ 4,183,368
906		6,902,032
907	3.890	9,446,983
908	4.849	10,405,151
909		13,481,380
910		20,886,203
911		19,152,379
912		14,652,071
913		12,956,915
914	5,959	
915		4,895,845
916		6,301,360
917		3,752,125
918	5,707	6,172,154
919"	9,239	9,977,501

'December total estimated.

the exit of the government's regulations this coming May, the price for the 1920 crop will of necessity have to be based on world-wide conditions and transportation facilities, and conditions will be no small factor in determining the average price to be

obtained. Unless the United States and Canada should raise an abnormal crop, the indications are that we are going to see at least a fair price, ranging from \$1.50 to perhaps \$2 per bushel for wheat, regardless of what can be done by all the wheat producing sec-tions, with the allimination of Durais

its official measurement of the depth cation to the weather bureau office, of snow on the ground at 5 P. M. each 221 Custom House. TRANSPORTATION PROBLEMS UP

Taking the year as a whole, Port-land has an average of 2053 hours of sunshine, or 5 hours and 37 minutes

the Golden Gate at San Francisco. Inside the entrance there is a deep. Puget sound country, or in parts of to a large area of protected anchor-age.

the Columbia is very short, and the pie, the average number of rain is 20, while wide and deep water areas on either 0.01 inch or more of rain is 20, while side of the main channel are import-the average number of days with 0.25 ant factors in the accessibility and inch or more is only eight. In July safe navigation of the river. the average number of days with 0.01 error barbor entrance has a depth inch or more is four. fair weather. In January, for exam- that the records show an average au-ple, the average number of days with nual snowfall of 15 inches, for the 0.01 inch or more of rain is 20, while snow that fails usually melts almost particular phase of the climate at the average number of days with 0.25 at once. The weather bureau makes Portland will be furnished upon appli-

Movement of 1920 Wheat Crop Concerns Those Engaged in Business. **Prospects** Are Bright.

PORTLAND CLIMATE DECLARED IMMENSE ASSET

Weather Bureau Records Show City and Vicinity Have Equable Conditions, With Plenty of Sunshine-Rain-

fall Not as Heavy as Generally Believed.