3 O MAR 1964

MPSEN-BP

Honorable Henry M. Jackson United States Senate Washington, D. C.

#### Dear Senator Jacksons

This is in further reply to your letter of 24 February concerning correspondence from Miss Edna Breazeate about the Avon Bypass project, and your letter of 4 March transmitting letters from Mr. R. L. Nelson and Mrs. John Swisher about the same subject. My interim replies of 6 and 12 March returned these letters. On 13 March we met with a group from the Mount Vernon and Burlington areas about the matters discussed in these letters. The following persons attended this meeting:

Mr. Norman Dalstead Mr. Ray Billips Mr. Warren Good Mr. C. R. Carter Miss Edna Breazeale Mr. John Swisher

We believe the meeting provided an excellent opportunity to exchange information at first hand covering the contents of the letters and to clarify objectives of the protesting group as well as of the Corps of Engineers.

Our replies concerning the questions and statements posed in the letters are set forth below. In Miss Breazeale's letter:

Q. Is the Bypass an accomplished fact with respect to future construction? As Miss Breazeale notes, the information Bulletin which accompanied the public hearing stated, "The Avon Bypass project is not intended for discussion at the 22 November hearing, but if there are any outstanding comments on this project, they will be heard."

AIR MAIL

- A. We must acknowledge that the procedures whereby the Corps recommends authorization of a project to the Congress and the procedure whereby a project is funded for preconstruction planning have generated a misunderstanding in the present instance. The levee and channel improvements and the proposed added purposes of fishery development and recreation for the Avon Bypass are new proposals on which we are preparing a report to the Congress. The Avon Bypass project is already authorized (Flood Control Act 1936), but has been inactive because local interests had not been able to furnish assurances that local cooperation requirements could be satisfied. Recent studies of the Skegit River basin have shown that the Avon Bypass has a high degree of merit as part of a basin plan for flood control and water resource development. The District Engineer has prepared a report recommending reactivation of the Avon Bypass project. This report is now under study by the Chief of Engineers. The appropriate local authorities have indicated a willingness to furnish the necessary local cooperation, subject to more detailed investigations which will establish the alinement of the project and determine the actual costs that would be incurred in local interest support of the project. The more detailed studies necessary to finalize the alinement and to establish these costs can only be made in the preconstruction planning stage. We have assured Miss Breazeale and the members of the citizens group attending the meeting in this office on 13 March, that at such time as funds may be provided for a preconstruction planning study of the Bypass, we will carry our studies only to the point necessary to establish this detail, before holding a public hearing on a specific plan of Bypass development. No further work will be undertaken on the project until the citizens of the area have had a full opportunity to express their views, and the responsible local officials have taken a position on whether or not they are prepared to enter into an agreement to undertake the necessary aspects of local cooperation. The chairmen of the Board of County Commissioners has gone on record as stating that the residents of the county will be given an opporfunity to vote on any tax levy necessary to finance the county's obligation in connection with the Avan Bypass project.
- Q. The significance of a petition opposing the Avon Bypass and bearing the signatures of about 1000 persons has not been considered by the Carps of Engineers.
- A. At the 10 January hearing, mention was made that such a petition was being circulated and asked that the record be held open for

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its inclusion. Until the time of our 13 March meeting with Miss Breazeale and her group, we had not received any copies of the petition or signatures. At the 13 March meeting, Mr. Dalstead furnished us photostatic copies of a petition bearing approximately 740 signatures. The petition reads as follows:

"We, the undersigned, are opposed to any plans to modify the structure of the Avon Bypass for any purpose other than flood control and are in fact opposed to the Bypass itself because as presented to us it will not provide protection from major floods. The cost of construction and maintenance is beyond Skagit County's means, and the project would endanger a new area to flood hazard and eventual silting up of shallow Padilia Bay."

The significance of the above noted petition should not be minimized. Unfortunately the basic petition contains a number of statements for which there is no factual engineering basis. Very briefly these statements are:

- a. That the Bypass will not provide protection for major floods.
- b. The Bypass will endanger a new area to flood hazard.
- c. The Bypass will cause eventual stiting-up of shallow Padilla Bay.

I will go into further detail about each of these matters in my letter. It is unfortunate that so much misinformation has been incorporated in a petition which has had such widespread circulation. Certainly the petition emphasizes the need for a separate public hearing to which we are committed, as I noted in the answer to the preceding question. We also received a petition containing 219 signatures indersing the Bypass. The sponsors of this petition stated they would be happy to get additional signatures. Obviously, we have reached a point where decision making should be based on more detailed engineering information which can only be developed in preconstruction planning and on presentation of these facts at a public hearing. Miss Breazeale and the citizens group accompanying her to the 13 March meeting in my office, are in agreement with us on this procedure.

Q. Why have the downstream channel improvements been packaged in with the Bypass on an all or nothing basis?

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- A. As stated in Miss Breazeale's letter, proponents and apponents of the Bypass all generally egree that they desire flood control in the Skagit River vailey. The urban end agricultural lands in the Skealt River valley warrant a high degree of flood protection. The comparatively minor improvements being proposed in the forthcoming Survey Report for downstream leves and channel improvements extend over 13 miles of river channel. These improvements would increase the present minimum channel capacity from about 93,000 c.f.s. to 120,000 c.f.s. This is the limit of improvement of the existing system of channel and dikes that is economically feasible. These improvements would only increase the level of dependable flood protection from the vicinity of Mount Vernon downstream from a frequency of flooding of once in three to ten years to a minimum level upwards of once in seven years. This low-level increase in flood protection, in itself, does not appear sufficient to warrant Federal participation. However, the downstream channel and levee improvements in combination with the Aven Bypass would make it possible to accommodate a 180,000 c.f.s. flow from the downstream limits of Sedro Woolley to the mouth. This increase not only doubles the present minimum channel capacity, but provides two feet of freeboard as compared to one foot used in the estimate of present minimum capacity of 93,000 c.f.s. The 180,000 c.f.s. capacity corresponds to a level of flood protection with a frequency of flooding of once in thirty years. This degree of flood protection is compatible with the nature of the area being protected. These two projects in combination with possible upstream storage could develop an overall level of flood protection of approximately once in one hundred years. Studies of the feasibility of upstream flood storage will extend over the next two to four years as part of the Puget Sound Comprehensive Study. Because the downstream levee and channel improvements and the Bypass are part of a comprehensive plan, and because these measures in themselves will give a high level of flood protection, we have proposed that these measures be considered first, in order to develop a timely plan of flood control for the valley.
- Q. Are the hunting and fishing and recreation potentials of the Bypass project being forced on an unwilling local populace?
- A. Residents of the area are concerned that a horde of hunters and fishermen would invade the privacy of the area, cause damage and otherwise be objectionable. The Avon Bypass project has sound accommic feasibility for flood control alone. The Avon Bypass is a local flood control project. The recreation,

fishery and hunting potential are dependent upon the state and county for support and development. From the standpoint of the Federal government, the development of these potentials is entirely permissive and is not a requirement for economic feasibility of the project. If any aspects of the proposed recreational developments are not desired by the state and county bodies concerned with the development, these purposes can be omitted. We would expect that these developments would be implemented on a gradual and controlled basis consistent with the needs of the area. The purpose of the Corps present survey report to Congress on addition of these purposes is primarily to identify the potential and to obtain authorization for Federal participation in the development of these purposes to the extent that such participation is appropriate in the construction and planning of the basic project facilities.

- Q. The Bypass will endanger a new area to flood hazard.
- A. The basis for this statement is not known. The Bypass would divert flows from the Skagit River to Padilla Bay. Bacause of the necessity for spoil disposal adjacent to the channel, the levees bordering the channel would be 40 to 100 feet wide. There is no hazard from breaching of these levees. The Bypass project would also include all necessary provisions for interior drainage discharging into the channel.
- Q. The Bypass will couse silting-up of shallow Padilla Bay.
- A. The Bypass would include provisions for a continuous diversion flow of 100 c.f.s. to prevent stagnation. The diversion flow is less than one per cent of the total flow of Skagit River and much of it would occur during periods when the Skagit River is carrying little, if any, sediment load. With the downstream levee and channel improvements, the Bypass would only be used once in about four years for flood flows. The amount of discharge every four years would vary from perhaps 10,000 c.f.s. to a maximum of 60,000 c.f.s. at 30-year intervals. The duration of this flood discharge would be from 24 to 48 hours. On an engineering basis, neither of the foregoing operations would result in any sedimentation that would affect or even be noticeable in Padillo Bay.

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- Q. Federal and state agencies, such as Game and Fishertes would like to take advantage of the Bypass If it were created. This does not necessarily mean approval of the Bypass Itself.
- A. The statement is quite correct. These agencies do not ordinarily make judgments about the feasibility of the flood control aspects of the Corps projects. However, they do evaluate the recreation, fishery and wildlife impact and potential. We rely upon these agencies for the professional evaluation of these benefits necessary for the project. There is no intent to commit them to an evaluation of the necessity of the project for flood control purposes.
- Q. The State Parks & Recreation Commission has not committed itself on the project.
- A. We believe the inclosed letter (Incl. I), from the Washington State Farks & Recreation Commission indicates a keen interest in development of the recreation potential of the Avan Bypass project.
- Gt. The State Department of Highways sold that since it had never suffered flood damage it would not bear the cost of necessary road alterations.
- A. Inclosures 2 and 3 are photographs showing evidence of flood damage to highways. Our understanding of the Highway Department's position is that they are limited in extent of participation by statue and by precedent to the costs of reconstruction of State highways above flood levels. They cannot participate in providing any of the general benefits attributable to the flood control aspects of the project.
- Q. Residents of the area are concerned about the possible relationship between the Bypass project and the Padilla Bay development of the Ploneer Cyster Company.
- A. There is absolutely no basis for this allegation. To the best of our knowledge there are no physical connections or underlying purposes relating the Bypass and the Padilla Say development. Mr. Balley's inquiries to this office have been in the nature of an interested citizen with an industrial development in which navigation might

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to a feature. He has sentented this office openly and in any provious letter to you of 31 January 1764, we have completely severaled any leadurage that we have with repaid to the Padille Roy development. We believe it unfortunate that this implication has been read just the Carps activities, and we are concerned that it may become an underlying mative in frustrating the development of a point flood control plan for the Skagit River velley.

With respect to questions in Mr. R. L. Nelson's letter which was furnished as an inclosure to Mrs. Swisher's letter,

- Q. Is there broud public support of this project?
- A. This question spain relates to the matter of potition for and against the project. We are hispeled that a public hearing on the bypess where pempletion of initial angineering, as noted in my response to the plantar question in Miss Brownesse's letter; will provide the provide to several forms for succiving these matters.
- G. The Soul of 1909 caused he compared with a possible flood of long and passed at the accordance, these of the structure for the structur
- The waterance of the Shopli Liver basin is the years area foday is in 1907. Simos 1907, dans have been constructed on the Baker River and in the upperson reaches of the Skapit River. The days on the July of live are stock purpose, power-penestring THE RESERVE AND A SECRETARIAN ASSESSMENT AND A SECRETARIAN ASSESSMENT ASSESSM repervoir for power-generating purposes, However, in a period of major flooding when draw down of the reservoir has not been necessary for power-generating purposes, these projects will not provide any downstructs flood control benefits. On the upper Shagit River, Rose Dam her a flend planage reservation of 120,000 ware feet. This storage is provided on a regularly scheduled built during each flood season. This office, working with the Federal Power Commission, has responsibility for monitoring the proper operation of Rose Dem for flood control during the flood section. The reduction in discharge of the Skepit River in the

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- The process of boling falled and the process of boling falled and property for the scale of maletanance and protection.

  Perpending the process appreciated flood control projects. In my applicate, the street is susping-up, plooly and is not shout to flood in the severation projections implied.
- Includity 5 blood the five adjacent to Mount Verson area during the 198 flood. This ligid is estimated to have a long flow recuttence interval of open in 14 years. As the photos indicate, the flood waters were just at about the top of the limits of existing protection. A first of except at about the top of the limits of existing protection. A first of except for versid have recutted in extensive flooding and comple in the form of Masset Verson. We cannot agree with Mr. Nelson that this represents an exceptable level of flood protection for the Skogli Shver delta area. Following is a quote from testimony of the 10 January '64 public hearing presented by the City Engineer of Mount Verson in behalf of the Mayor of Mount Verson in behalf of the Mayor of

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"Mount Vernot residents clearly remember the date of Feb. 10, 1951. The record book throws that an this date the Slengt River reached a flood flow past of 150,000 c. (.a. But to Mount Vernon's efficials, the pack flood flow of 150,000 c.f.z. was of no immediate concern through that long night and the following warry marning hours of the past sky. What our Mount Vernon officials do remember is that the Slength River filled their backs completely in Mount Vernon and that the Flood area rase until the water level had completely an area our revelopent and and was lapping at the patter lies of Main Street at the Mortle Street intersection. Another 6 or 7 Inches would have required sand-kaps to keep the Slength River from spilling over into our downtown commencial area.

Watching the river creat at flood stage was not all our townspace and an their minds, however. The City officials had serious problems with their segar system as our track Street sever main collegeed inside at our protestive star-off paids but outside of the dilar and flooded back land the residentful gree in the Journal was into a contract the flooding street and some field the second flooding street and some field the second flooding street and some field the second start of paid some flooding street and some field as second s

The state of the s

With the seminary of this 1981 flood said the 1949 flood of 140,000 s.f.s. from in our saines, it is not difficult for the City of Mount Vernoti to available the south of research this bearing.

The City of Mount Vernon, with full knowledge of what a flood flow of 150,000 g.f.s. weeks to our city, hereby congrutulate the Corps of Engineers for their congrutures was consend-thinking flood prevention plant.

The provint spent by Federal and non-Federal poveries of apacies for Improvement to the Dikkin Districts in the partial 1947 to 1963 is take lated below:

Federal State County Diking Districts
\$194,000 \$672,000 \$492,000 \$922,000

All of the Federal monies have gone into anatypency sepains of glight following floods and that have not postationed to overall improvement of the leves system. The State, County and the Diking Districts have together sectalizated about two million dollers towards improvement of the existing diking system. Significantly the State, the County and if of a total of it Diking ——Districts have indered the Corps pion for flood social by downstrain leves and channel improvement and for sometration of the Avon Bypass.

- Q. The channel should be widened to well of despiced and have levels pushed best as they are saled.
  - The plan suggested by Mr. Nelson has been stalled at all situations to the Aran Sypass and the downstance "eyes and shares inappropriate plan. For such a plan to be successful, the overband area of the fiver would have to be videred." Here would not be any appropriate despetator of the fiver shares became of the high antitudentairs and that would be substitud from departs of the high antitudentairs and that would be substitud from departs of the high antitudentairs and that sorted by the Sharet liver. This sall pasts load a netimental is solve that \$40,000 substitutes of sall pasts load as netimental is solve that \$40,000 substitutes of sall pasts and the symmetric state of the layer and alternate larger than the base season as the symmetric state of the symmetric state

With respect to the letter from Mrs. John Surisher, I believe most of Mrs. Swigher's comments have been answered in the foregoing attenuation.

I hope the foregoing information will serve to better your correspondents that the Corps of Engineers has no intention of attempting to implement a local protest tion papiest which is not desired by local interests. Final judgment on the

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delirability of his Aven Bypass of an element of a basis flood control plan should be seen and until such time as detailed design information is available on the post and the silventess of the project. The Corps of Engineers has no intention of proceeding beyond this point until fire securances of local support of the project are forthcoming.

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Very buly yours,

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ET CASE ATTITION TO THE TANK

ERNEST L PERRY Colonel Corps of Engineer
District Engineer

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