



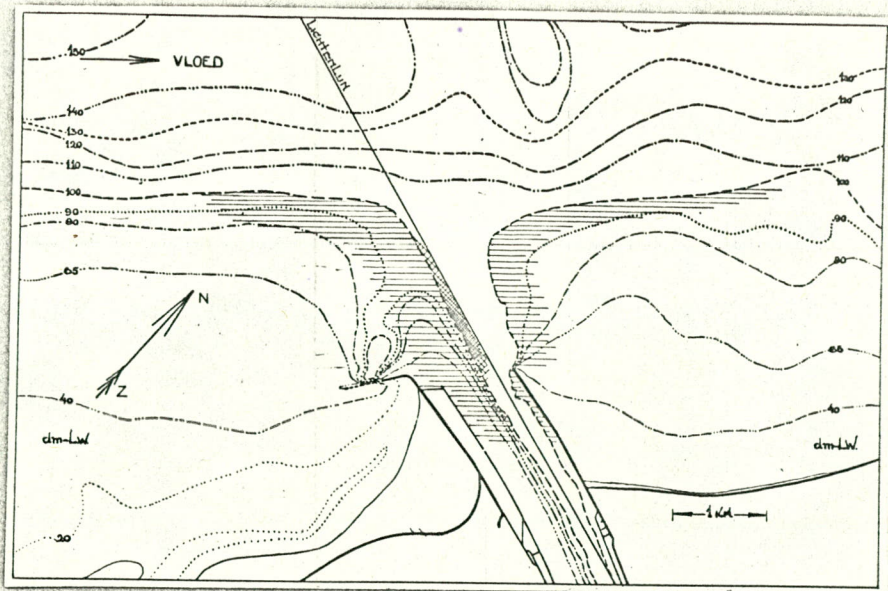
DI: 824052\_2

ONDERZOEK naar de toestanden  
in en nabij de mond van de  
Rotterdamsche Waterweg te  
Hoek van Holland.

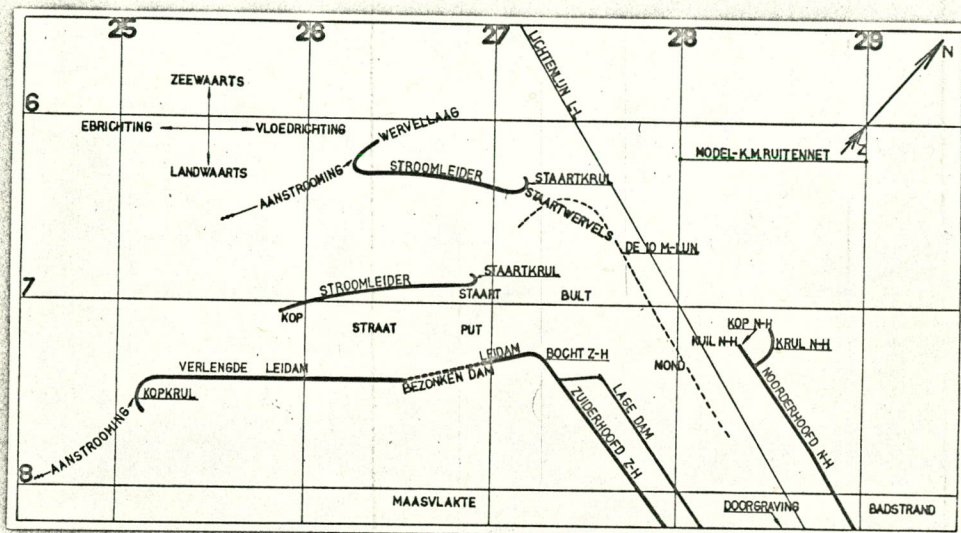
deel II figuren

M 35  
Delft, febr. 1933

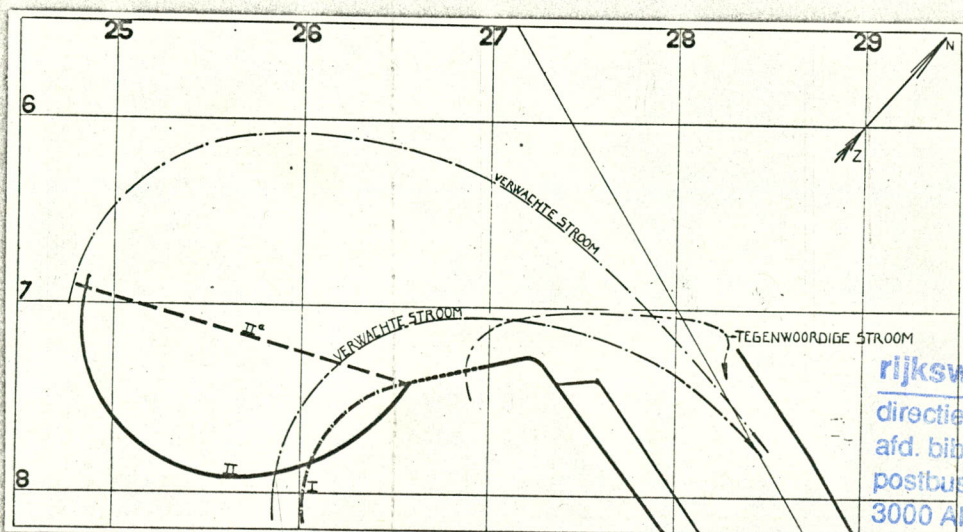
Waterbouwkundig  
Laboratorium



1. Situatie.



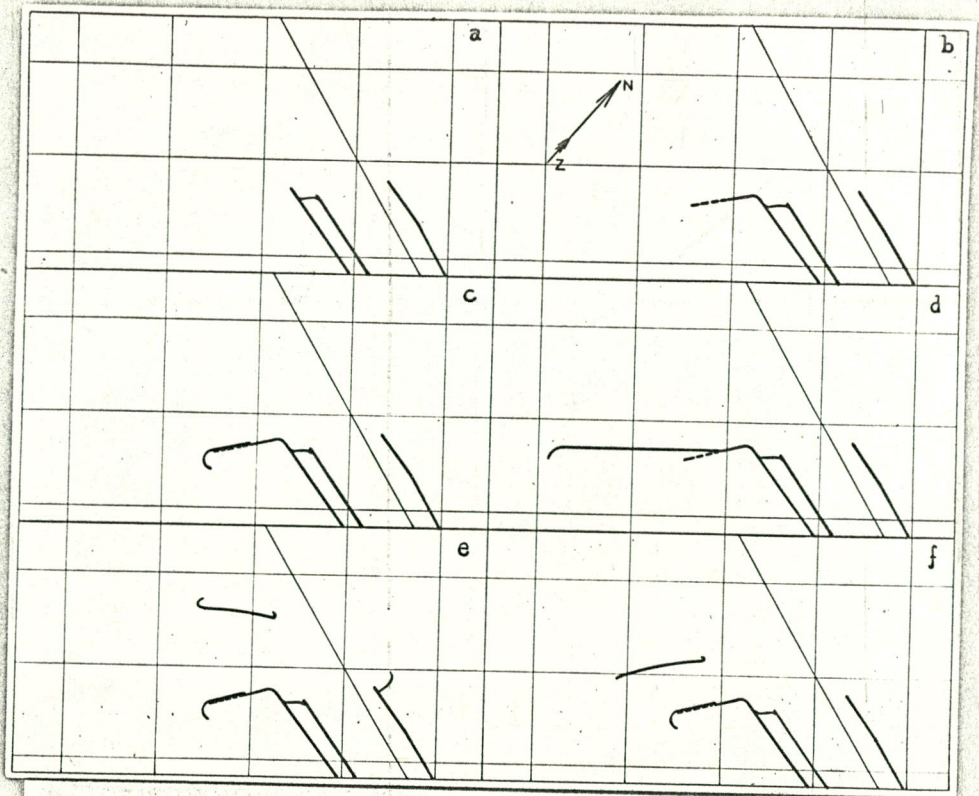
2. Gebruikte benamingen.



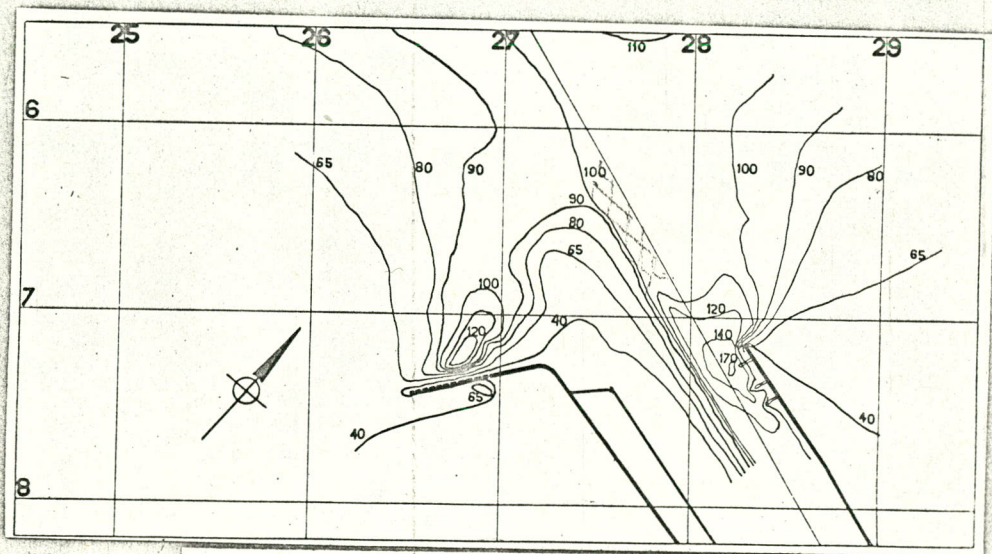
3. Aanvankelijk te onderzoeken toestanden.

rijkswaterstaat  
 directie zuid - holland  
 afd. bibliotheek  
 postbus 556  
 3000 AN rotterdam

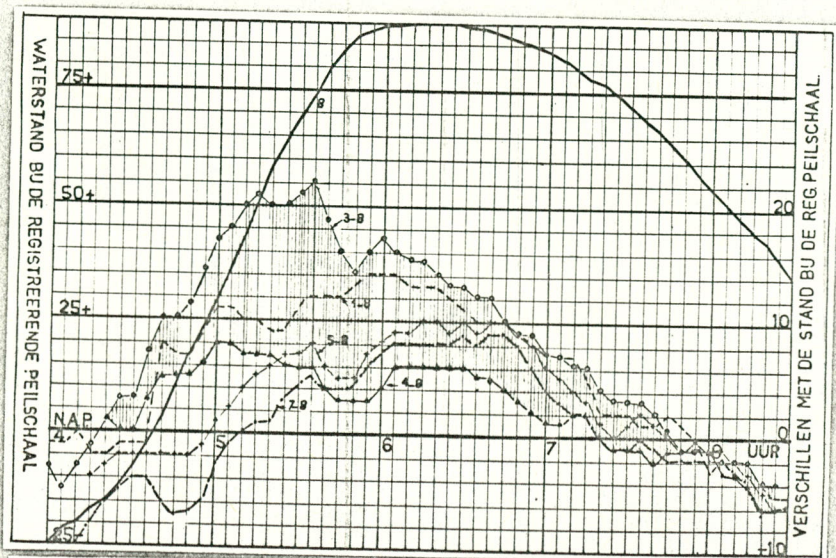
Opgenomen in Bibliotheek  
 Onder Nr. C2500-H35  
 deel II



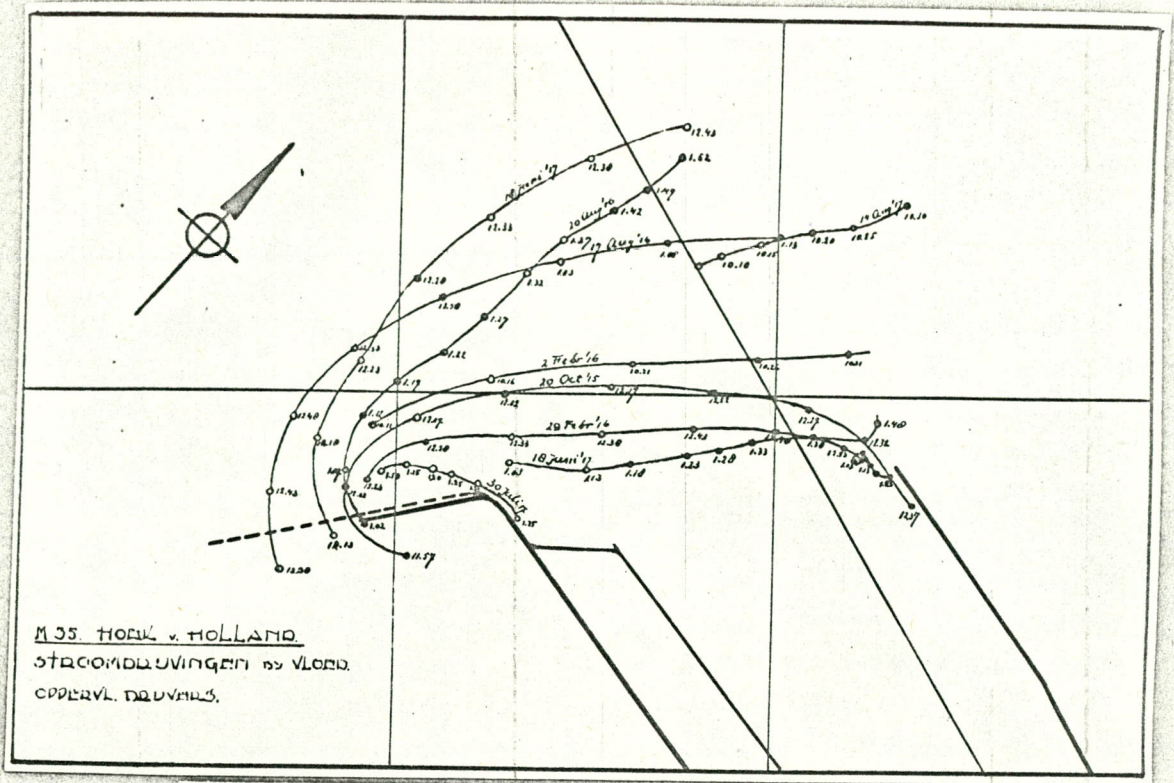
4. Belangrijkste vormen van de mond.



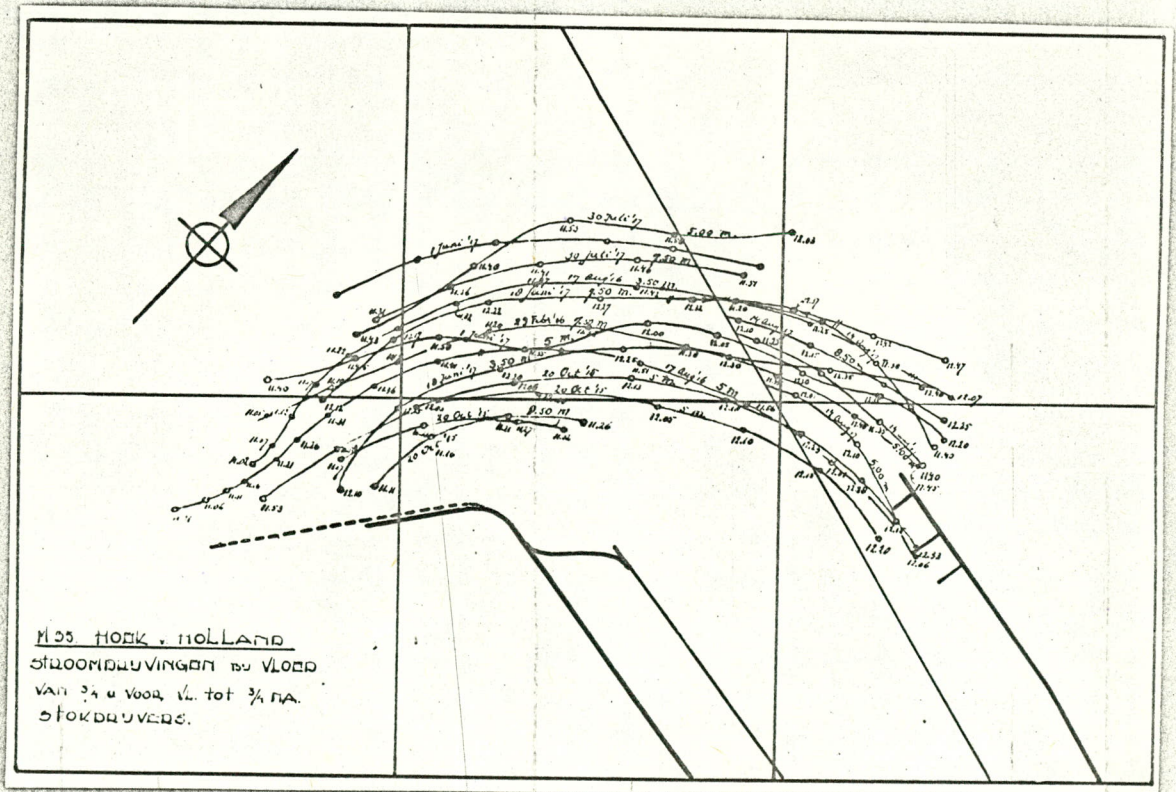
5. Peilkaart van Mei 1930.



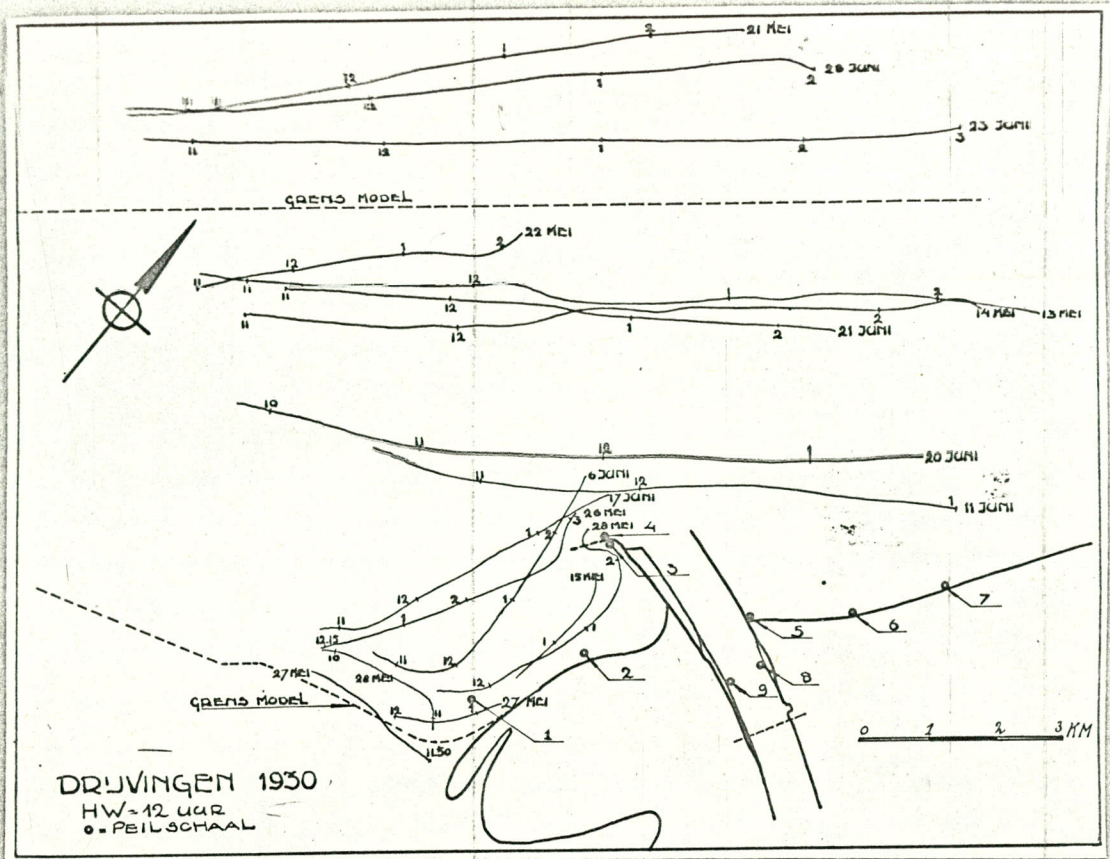
6. Waterstanden op 28 Augs. 1930.



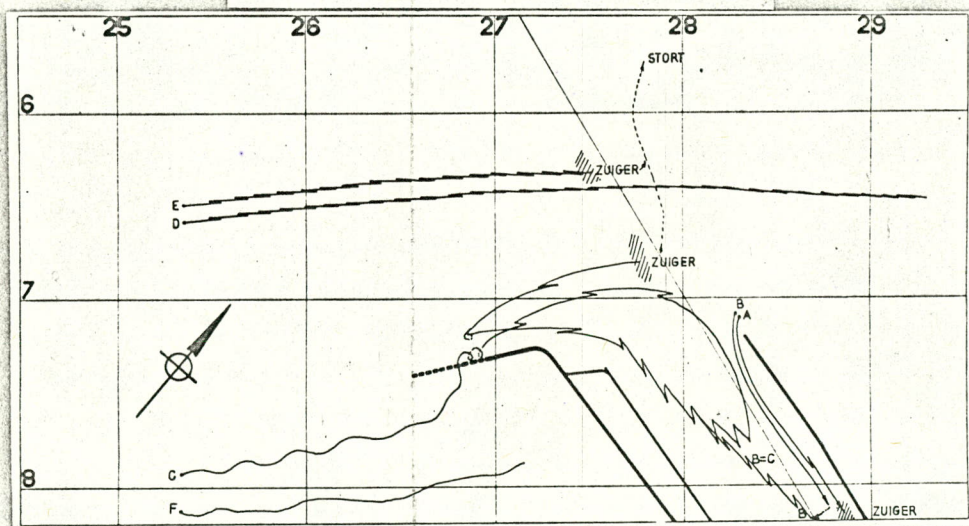
7. Banen van oppervlactedrijvers,  
1915 - 1917.



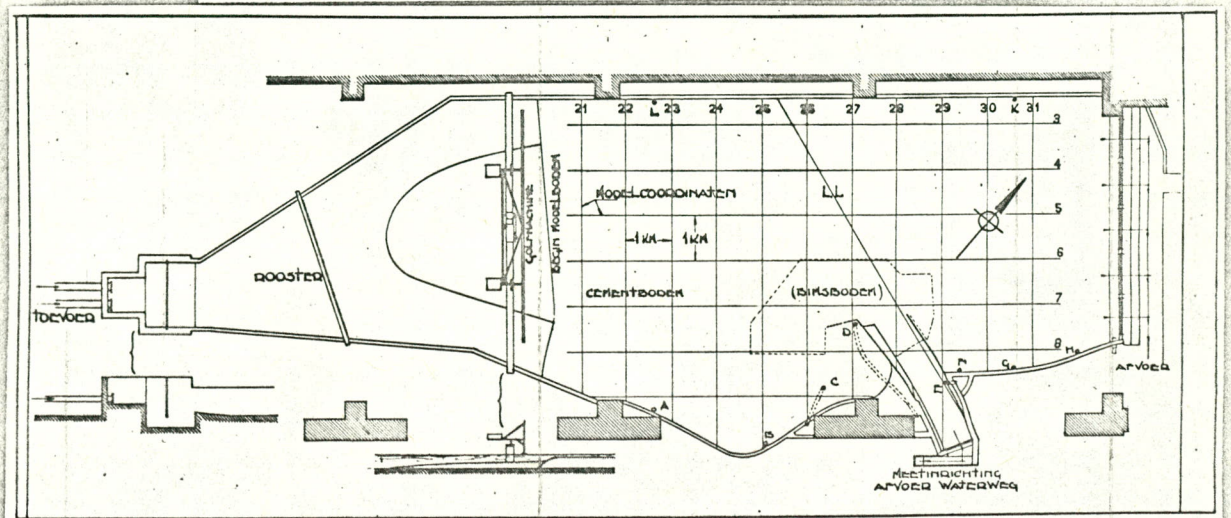
8. Banen van stokdrijvers,  
1915 - 1917.



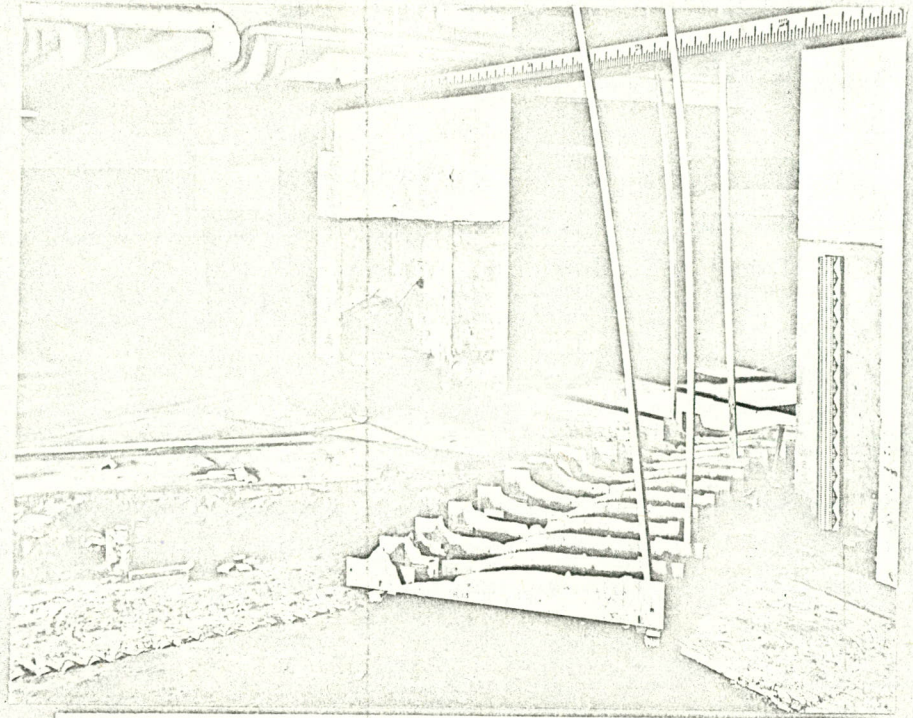
9. Drijvingen, 1930.



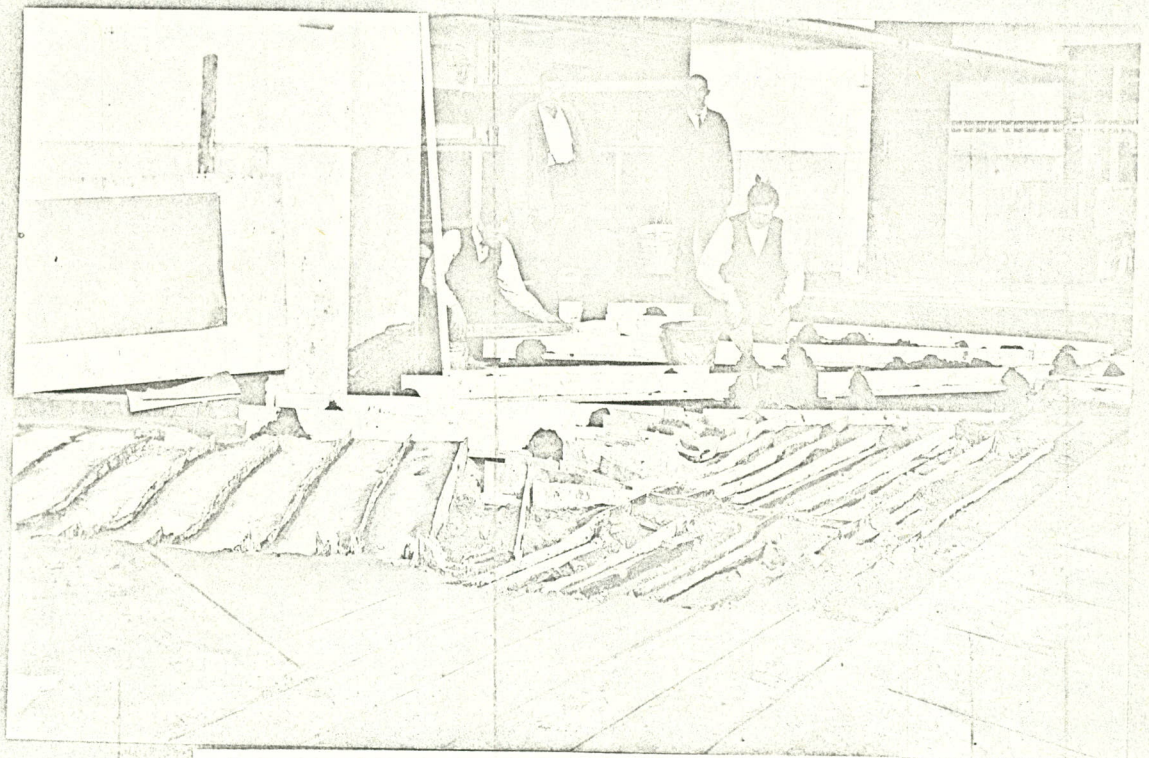
10. Schema van de zandbeweging bij Hoek van Holland.



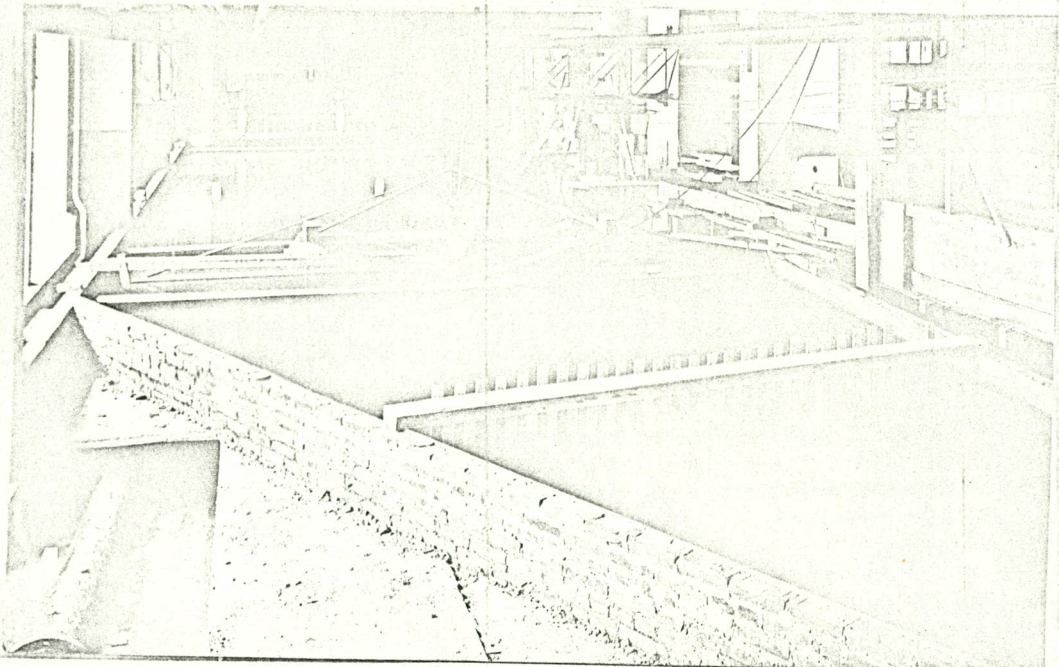
11. Situatie van het model.



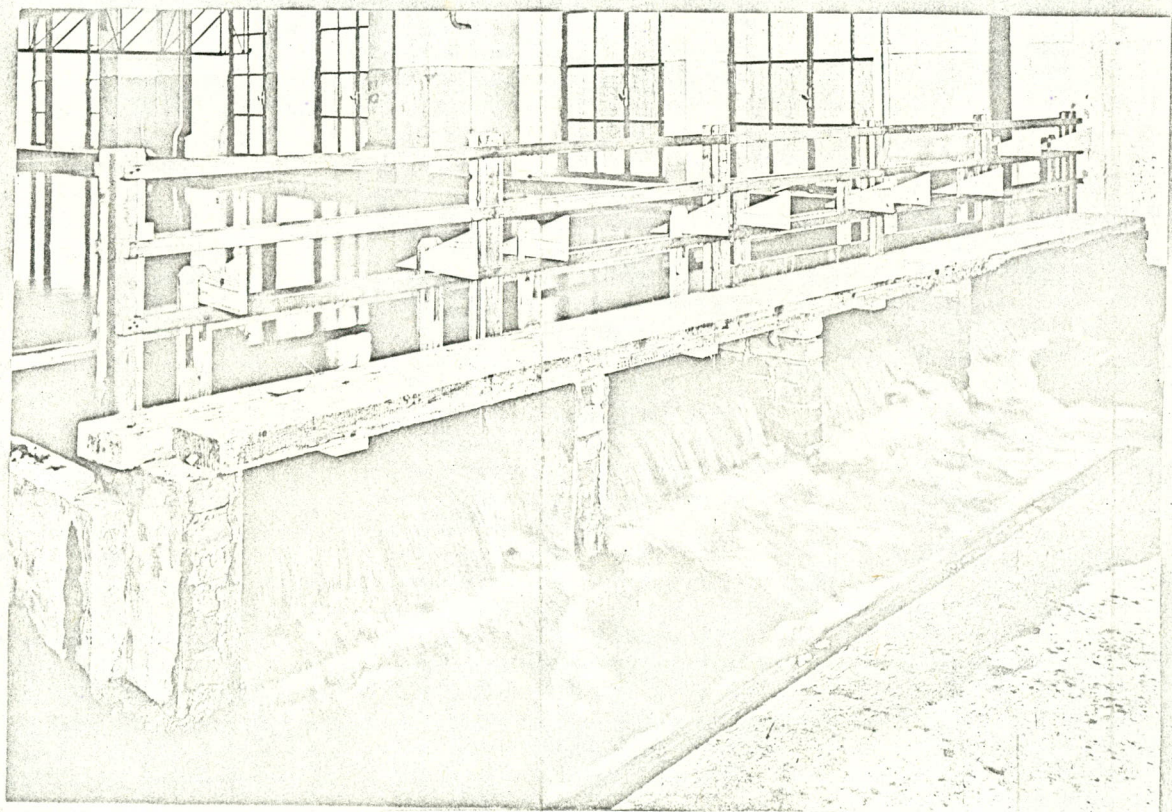
12. De raaien tusschen de hoofden.



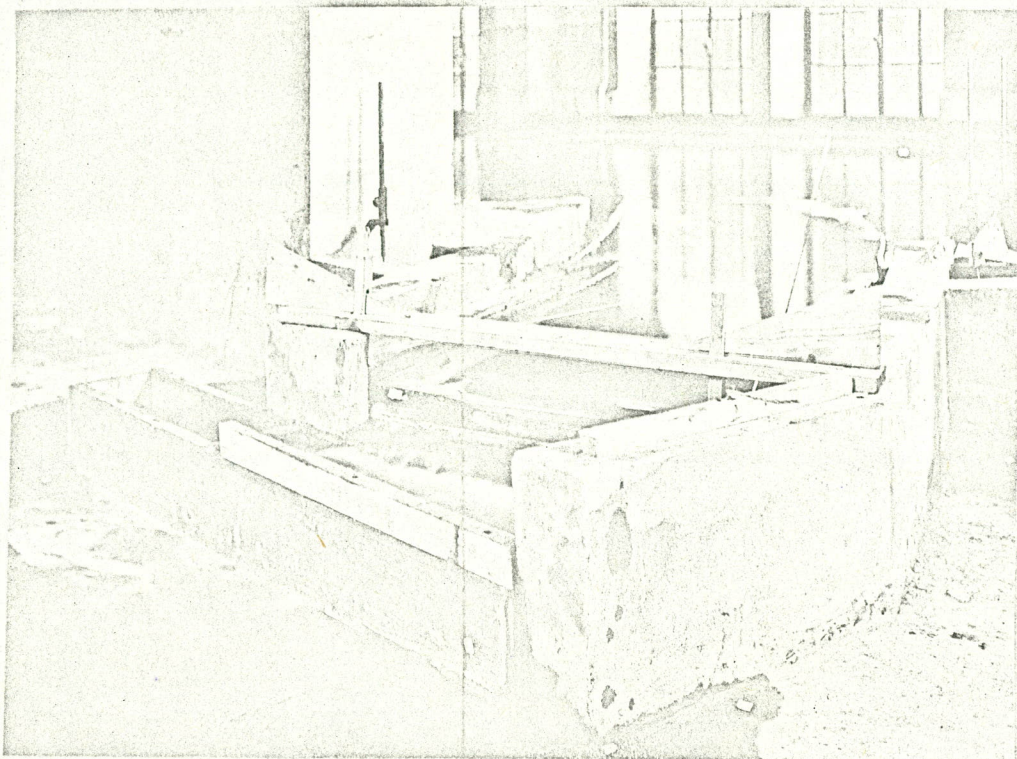
13. Maasvlakte in aanbouw.



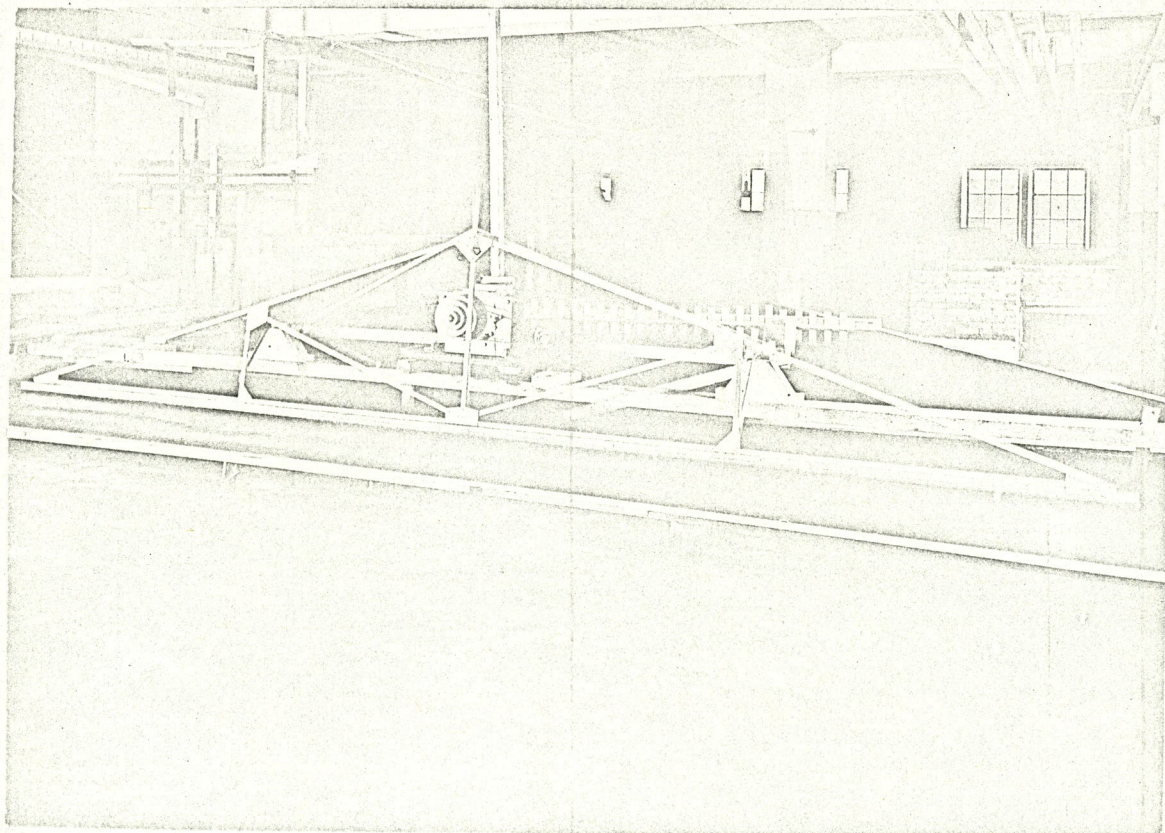
14. Model, gezien van de inloop.  
Op de voorgrond de stroomverdeeler, daarachter  
de golfopwekker, de loopkraan en de binstoevoer-  
machine. Op de achtergrond de uitloop, geheel  
rechts een ander model.



15. Uitloop.

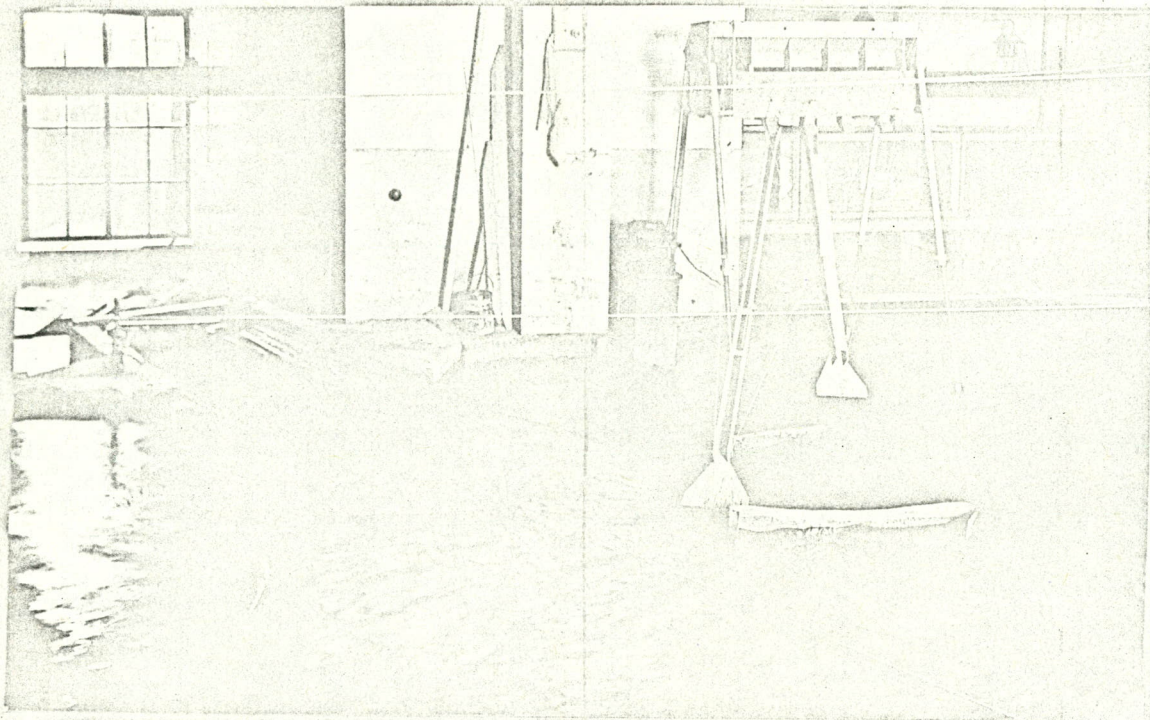


16. Uitloop.

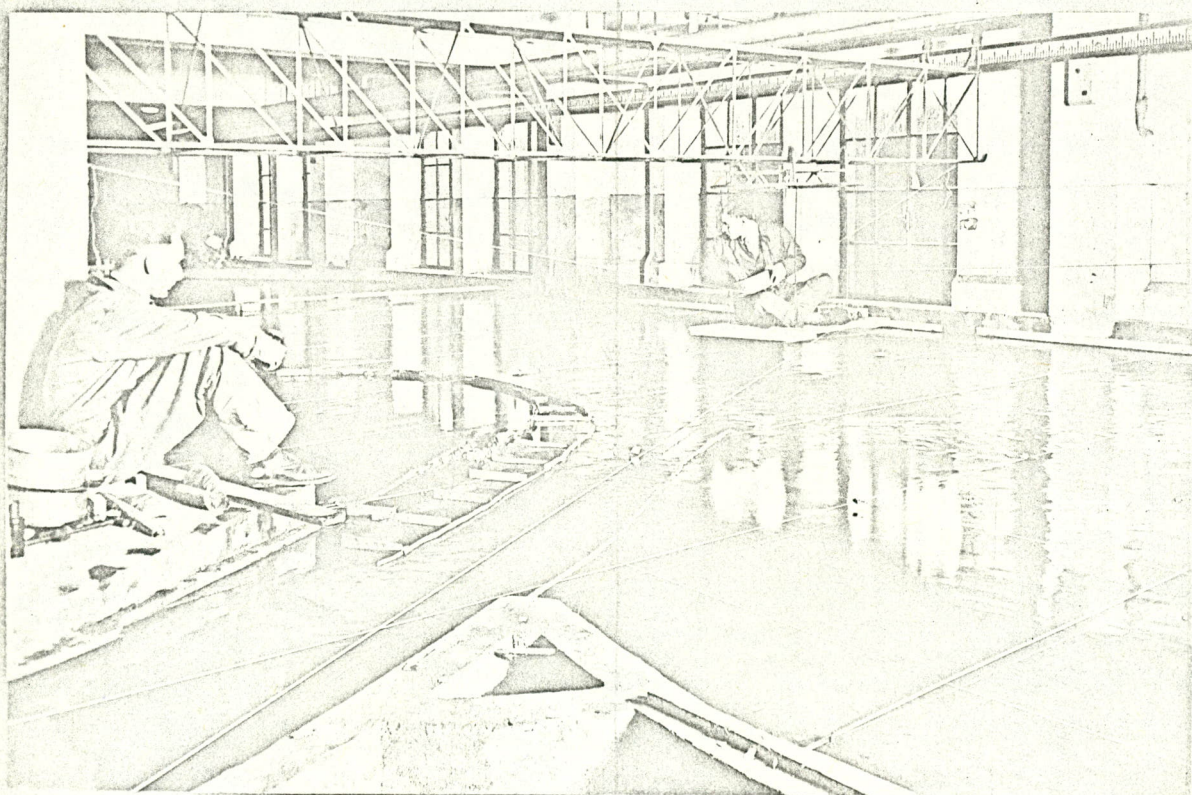


17. Golfopwekker.

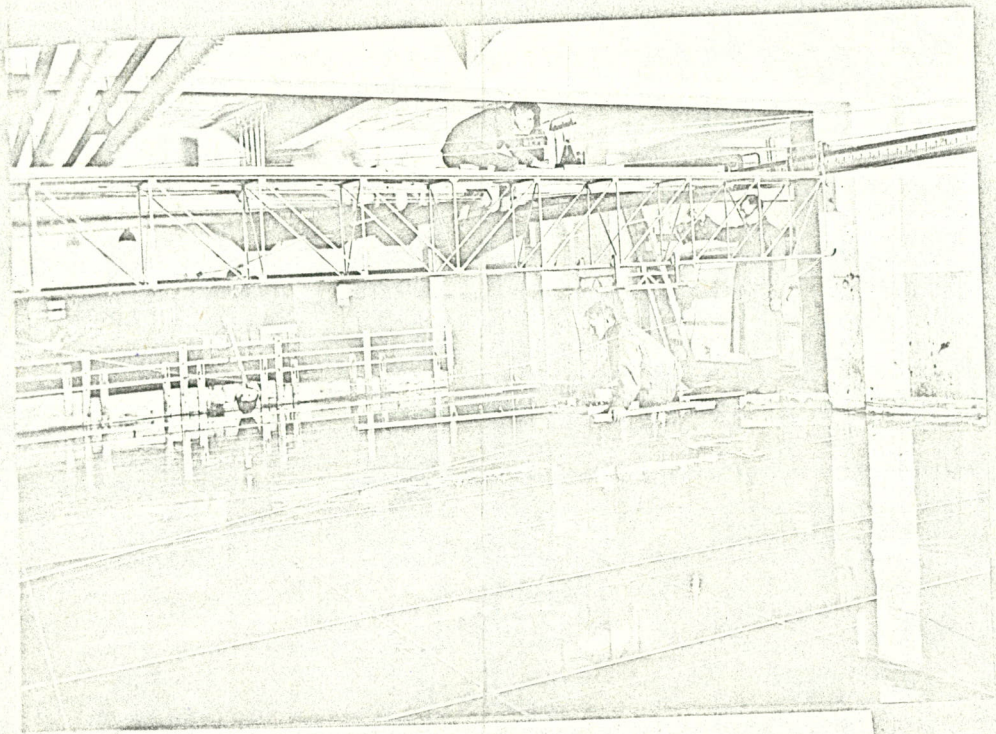




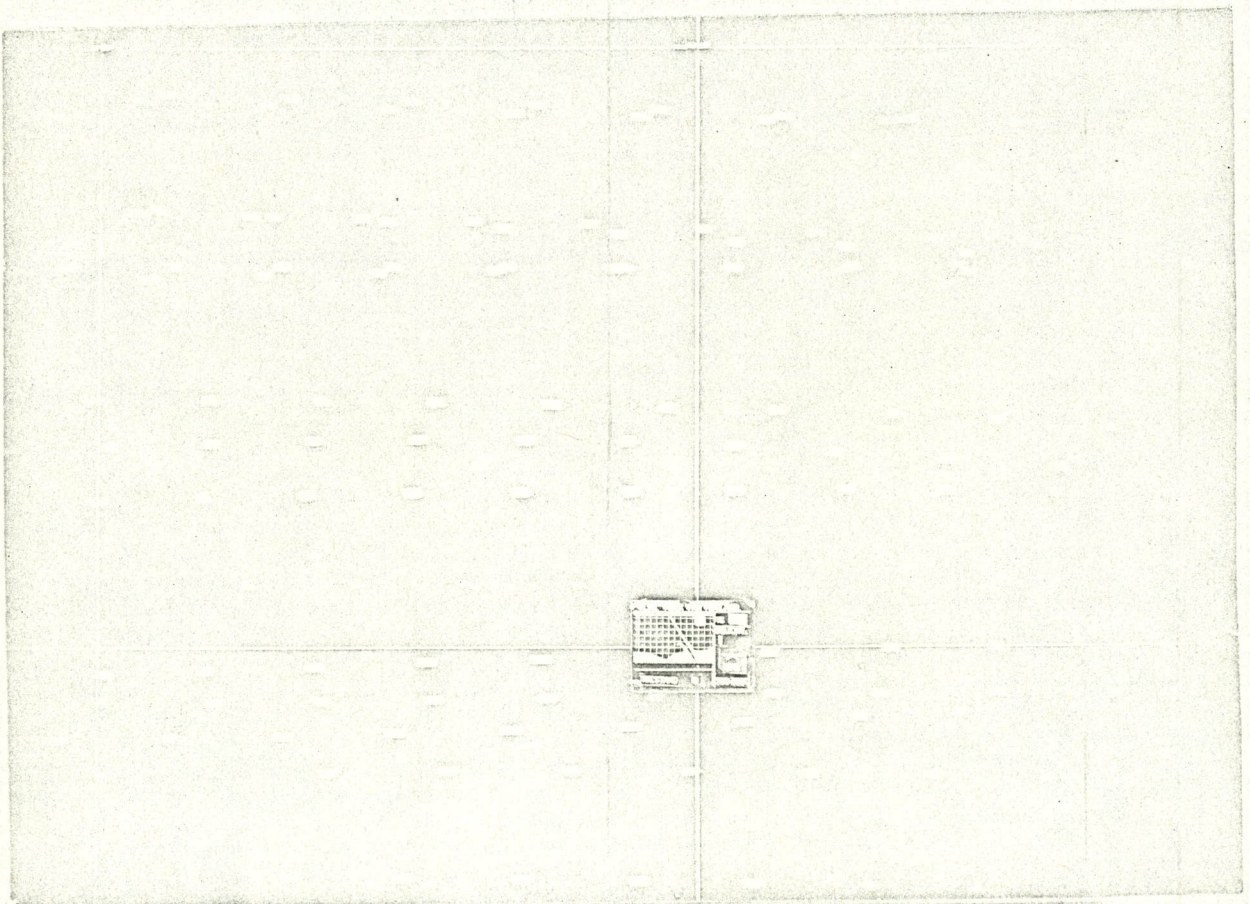
18. Toevoeren van bims. In het model volgens toestand 15 (paragraaf 46) worden bimskorrels gestrooid bij de kop van de leidam en bij de staart van de stroomleider.



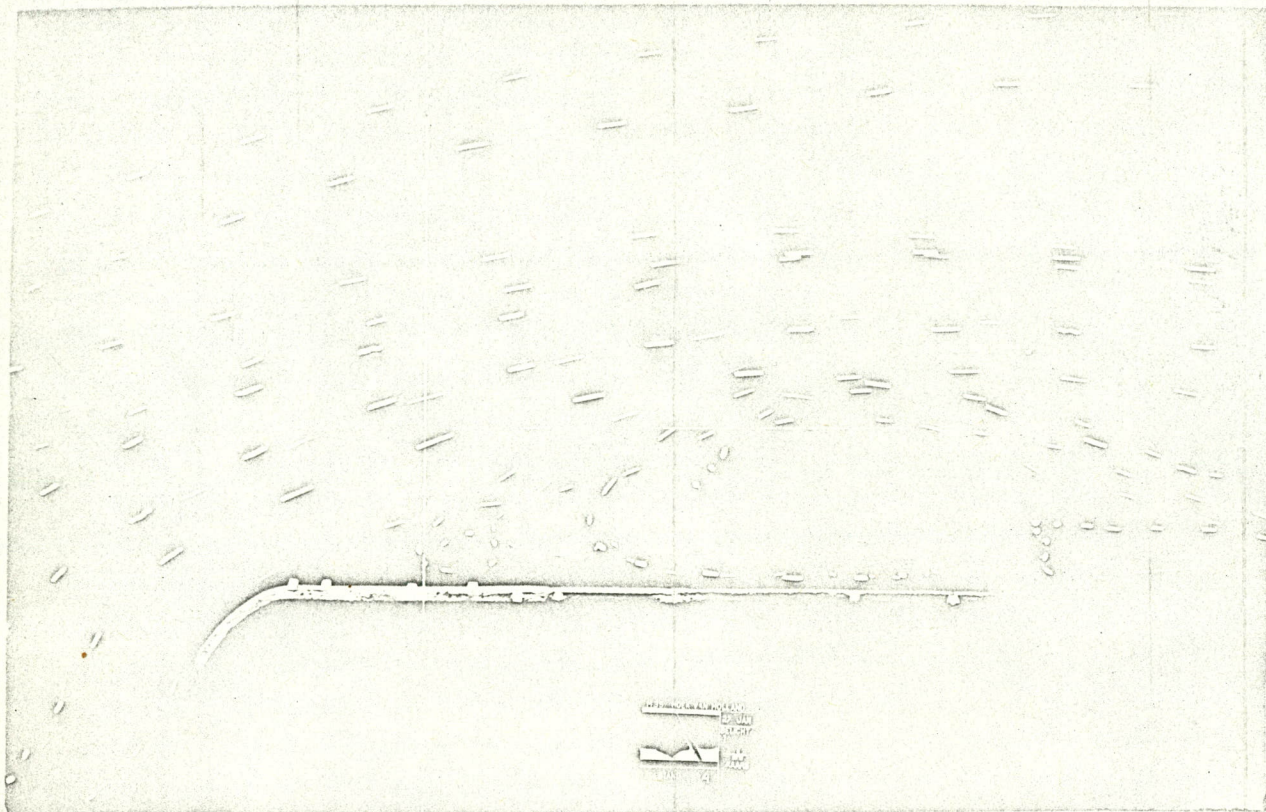
19. Waarnemen van stroomlijnen.



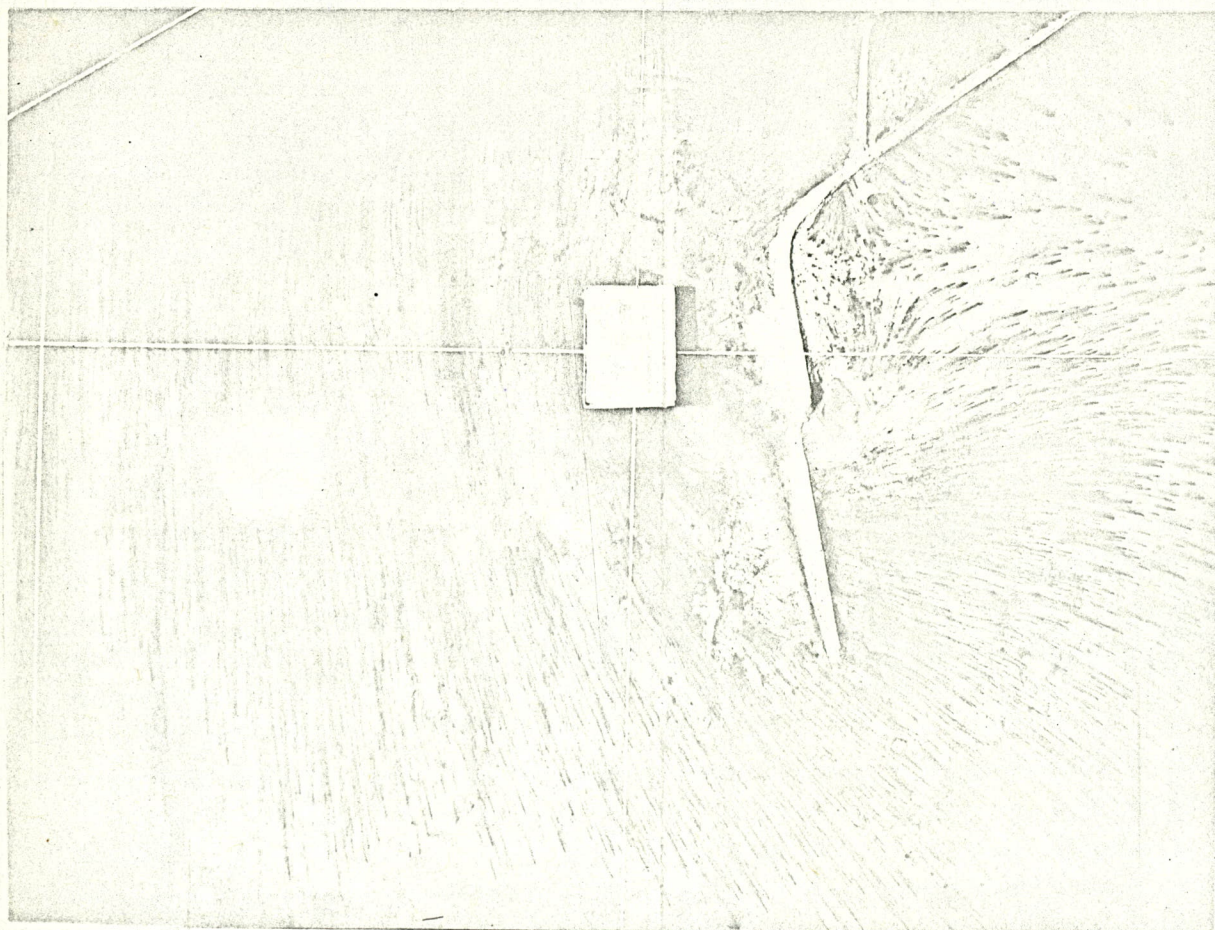
20. Fotografeeren van stroombanen.



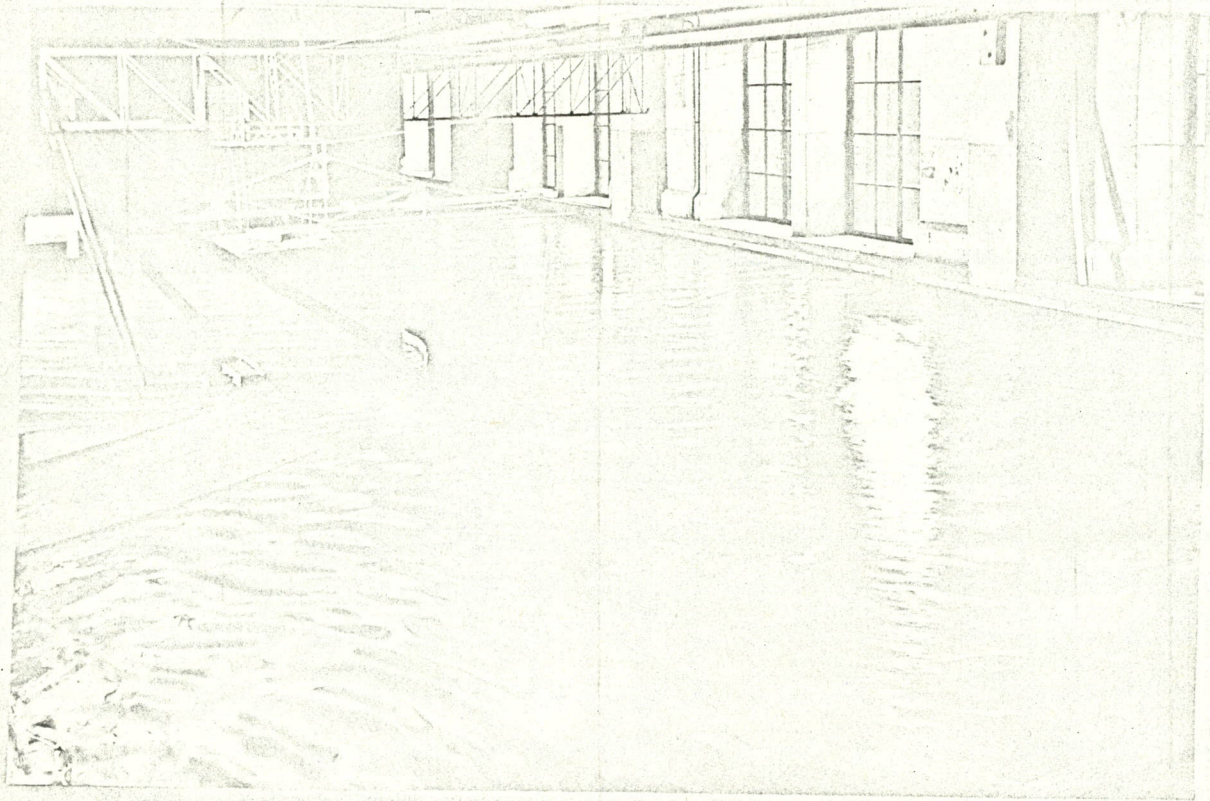
21. Gefotografeerde oppervlaktedrijvers.  
Korte belichtingen met 1 seconde tusschen-  
poos van papiertjes.



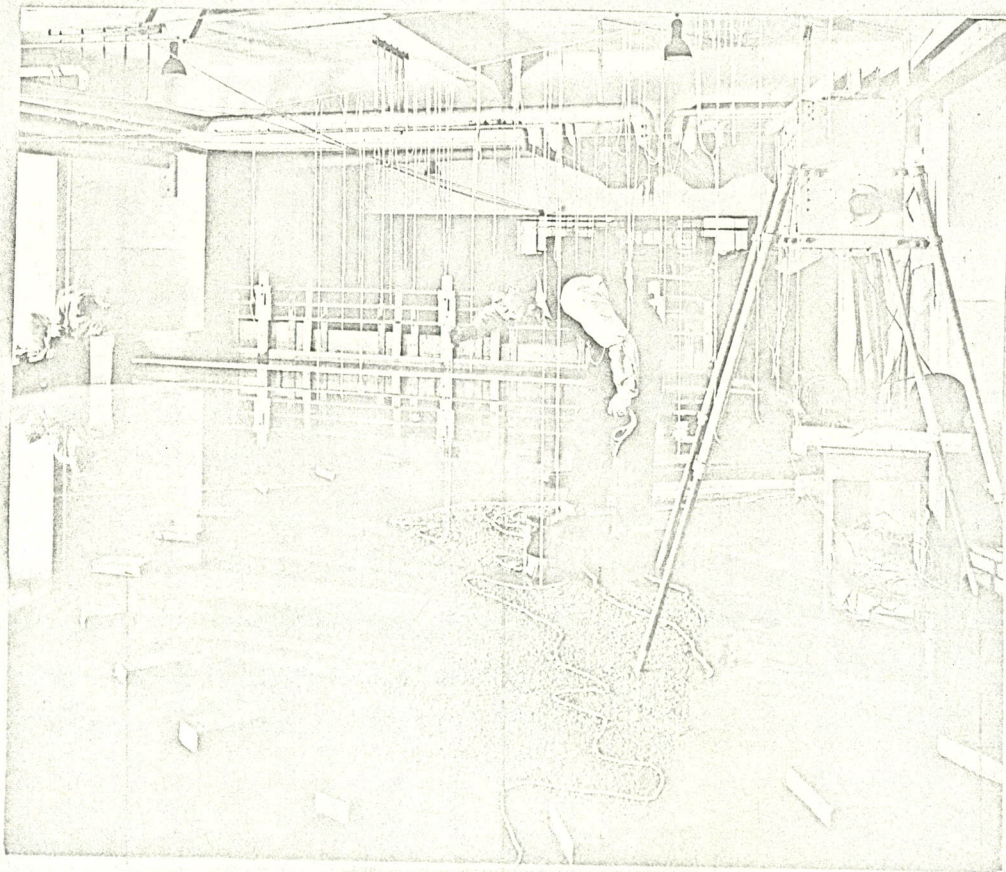
22. Gefotografeerde drijvende kaarsjes.  
Korte belichtingen met 1 seconde tusschen-  
poos. De neer zeewaarts van de leidam in  
toestand 4 (paragraaf 37).



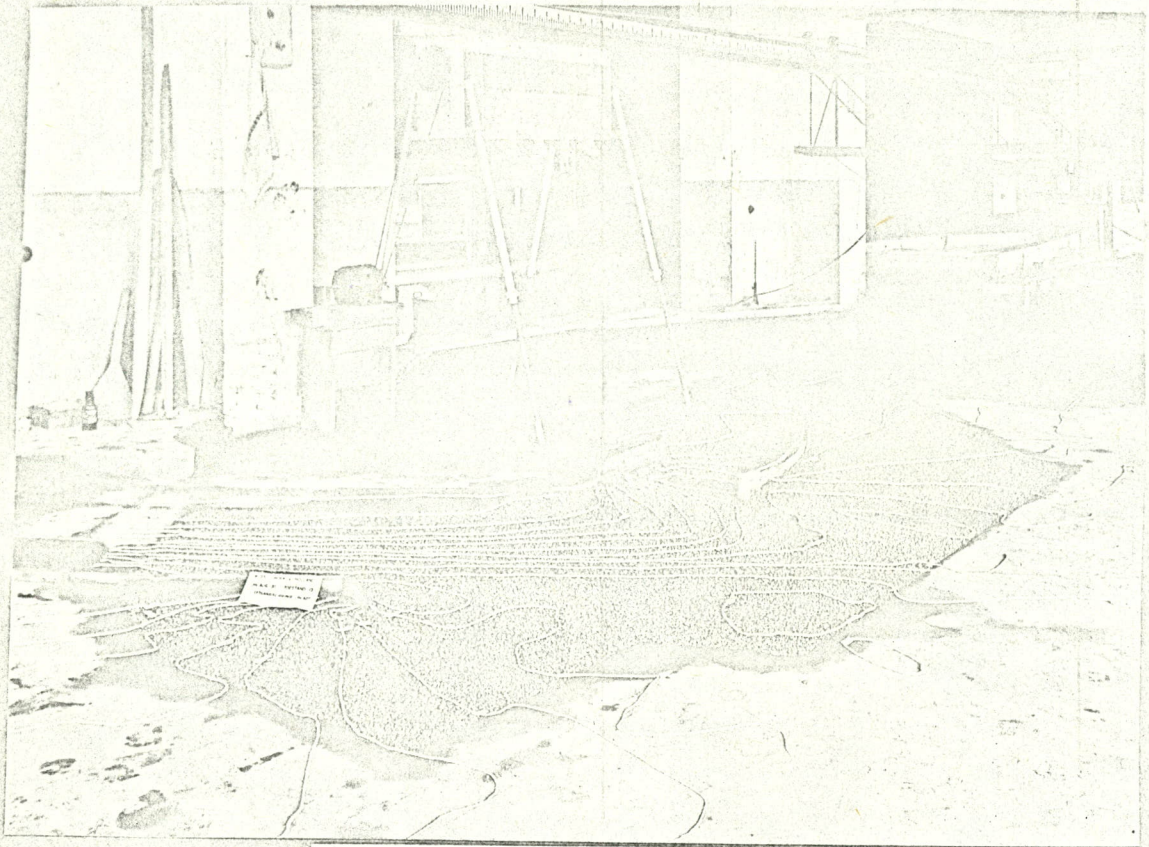
23. Bodemstroomrichtingen, aangegeven door  
streepen, uitgaande van kristallen  $KMnO_4$ .  
Toestand 0.



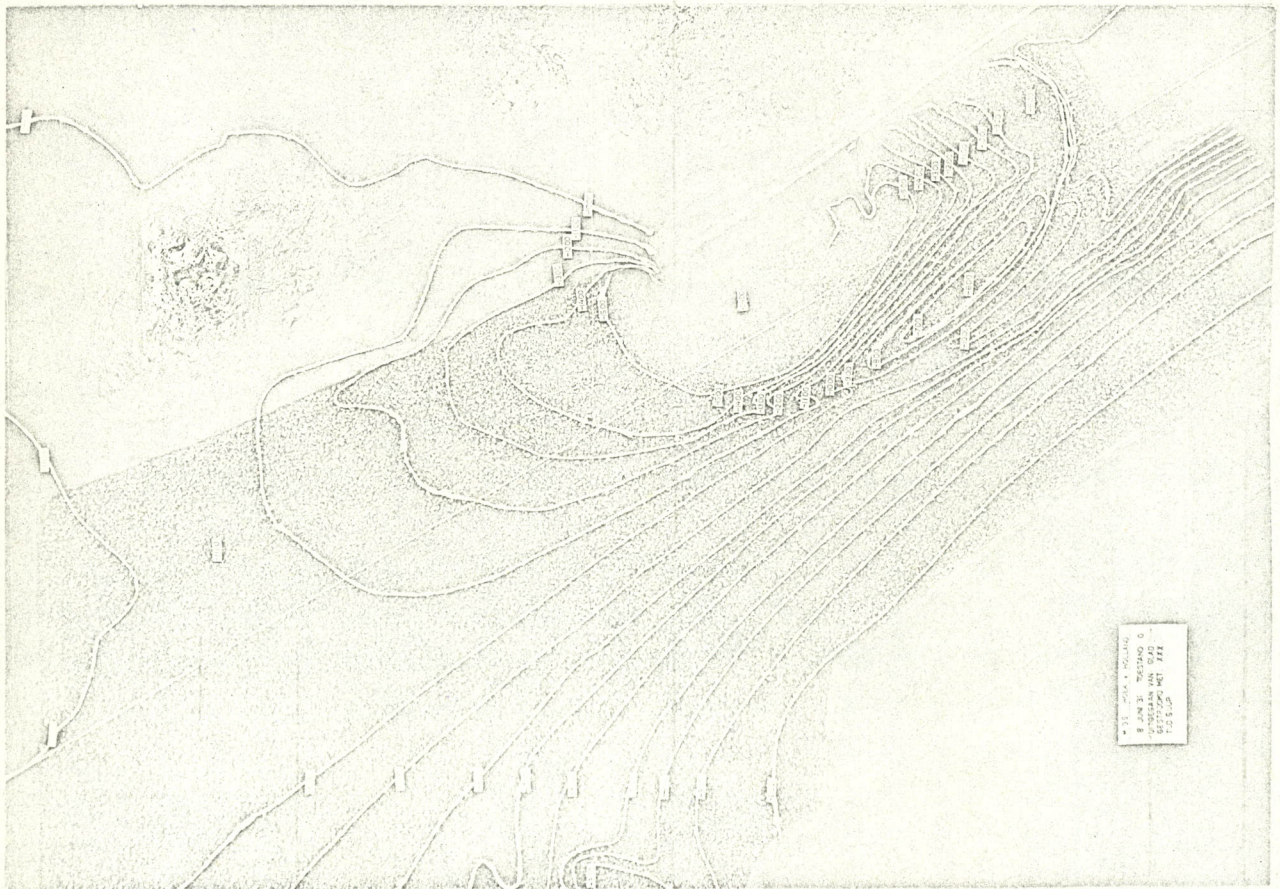
24. Overzicht van een model met golven en  
bimstoevoer. Toestand 15.



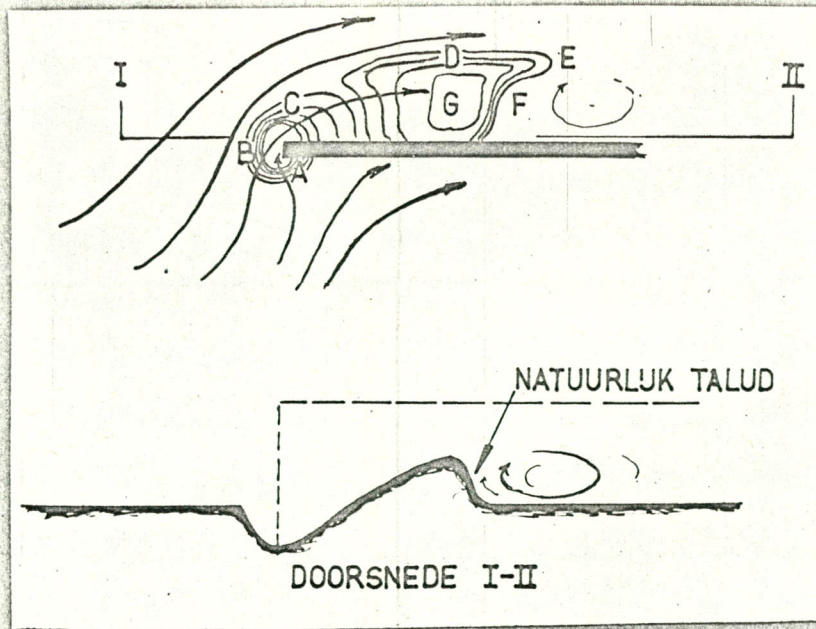
25. Mukollen.



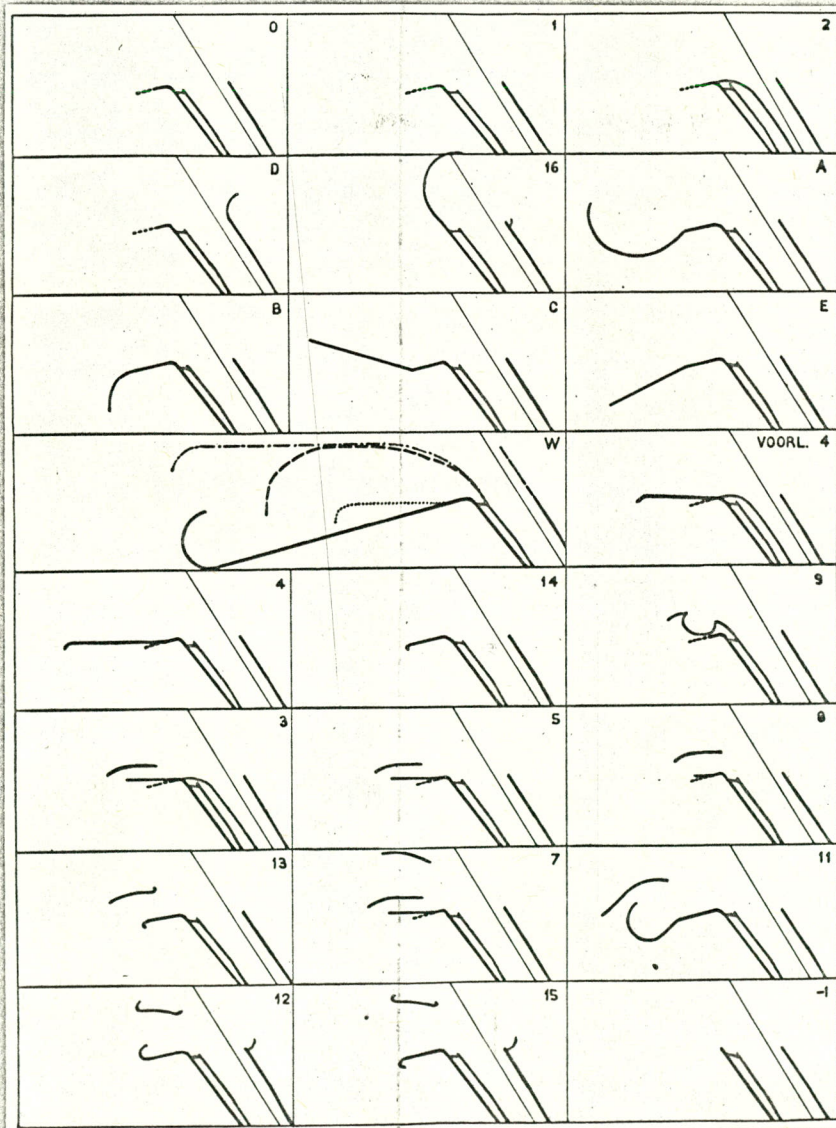
26. Een gemukold model.



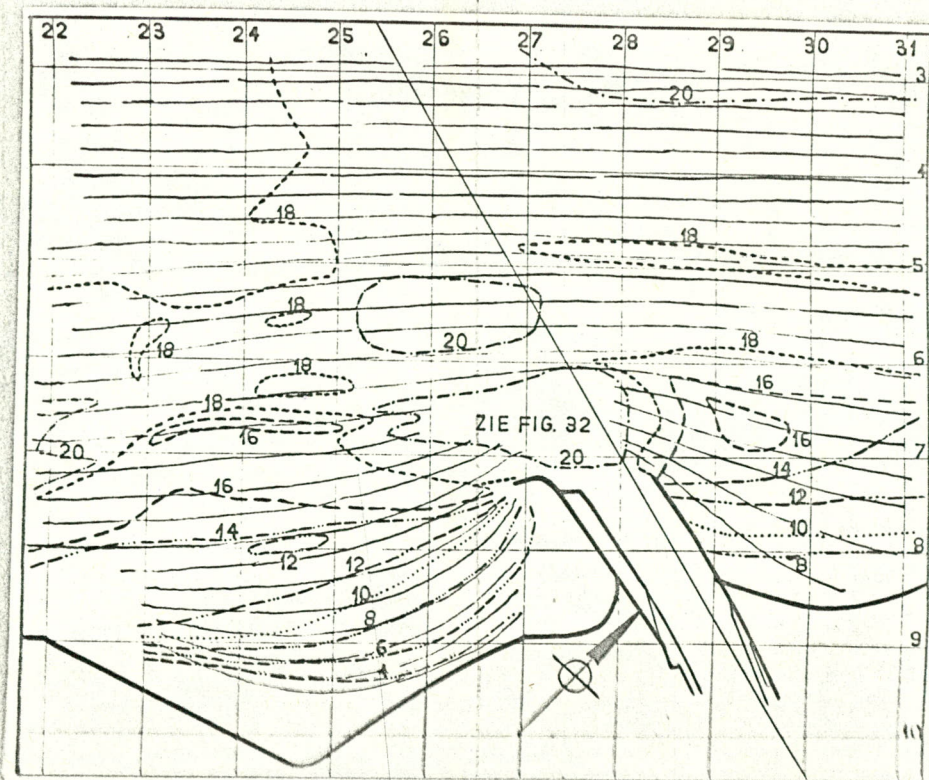
27. Dieptelijnen in de mond. Toestand O A  
(detail van figuur 37).



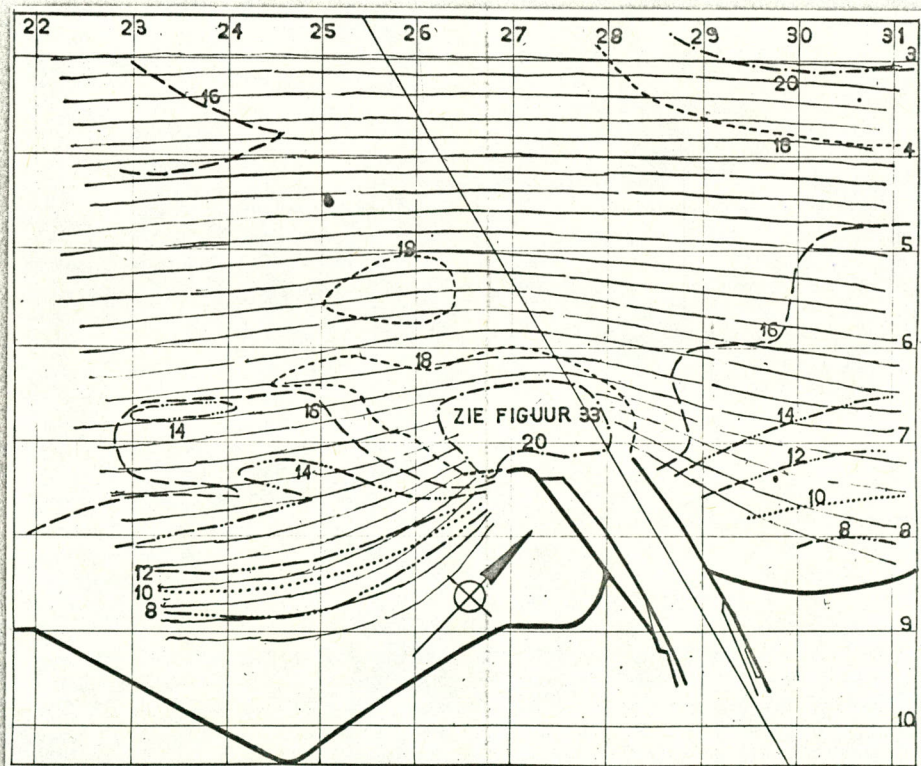
28. Beweging van bismkorrels bij de aanstroomzijde van een dam.



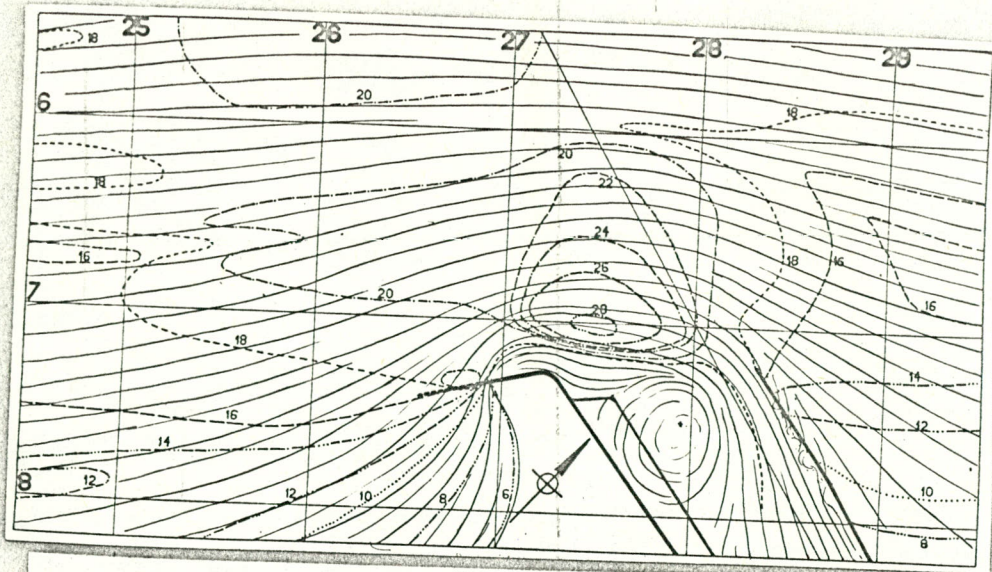
29. Overzicht van de onderzochte toestanden.



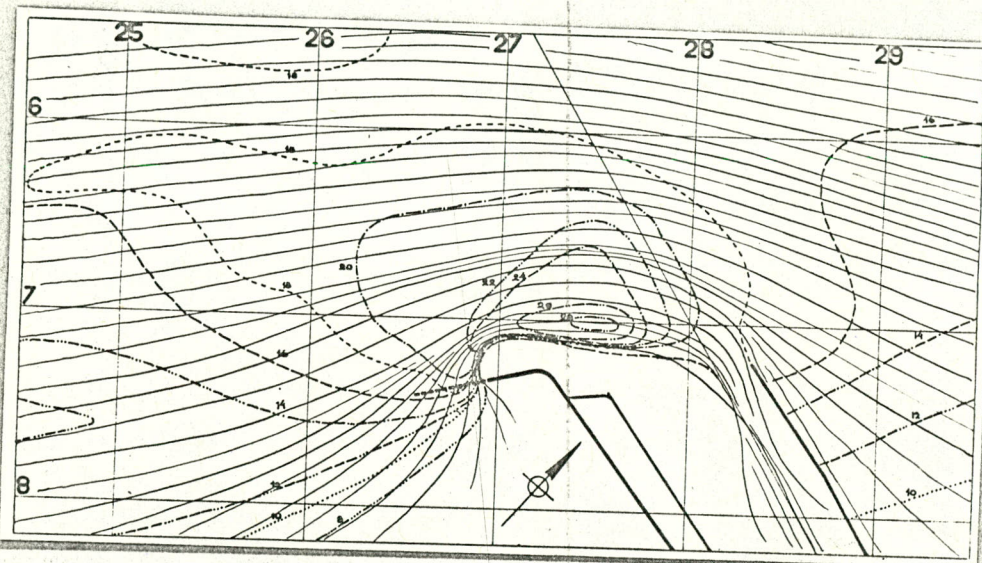
30. oppervlakte stroomlijnen in het model volgens de bestaande toestand



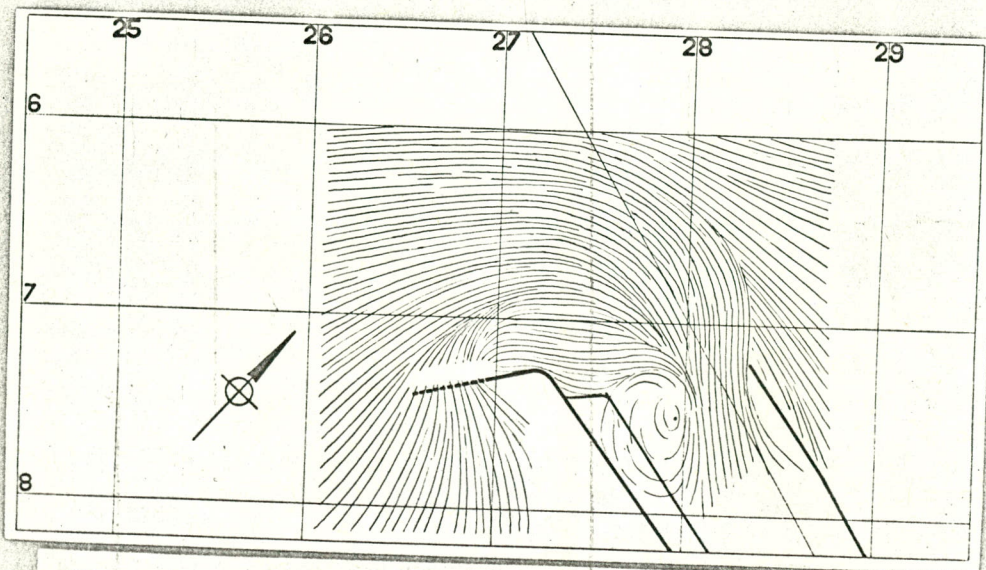
31. Stroomlijnen op halve diepte in het model, volgens de bestaande toestand.



32. Oppervlaktestroomen bij de mond, bestaande toestand.

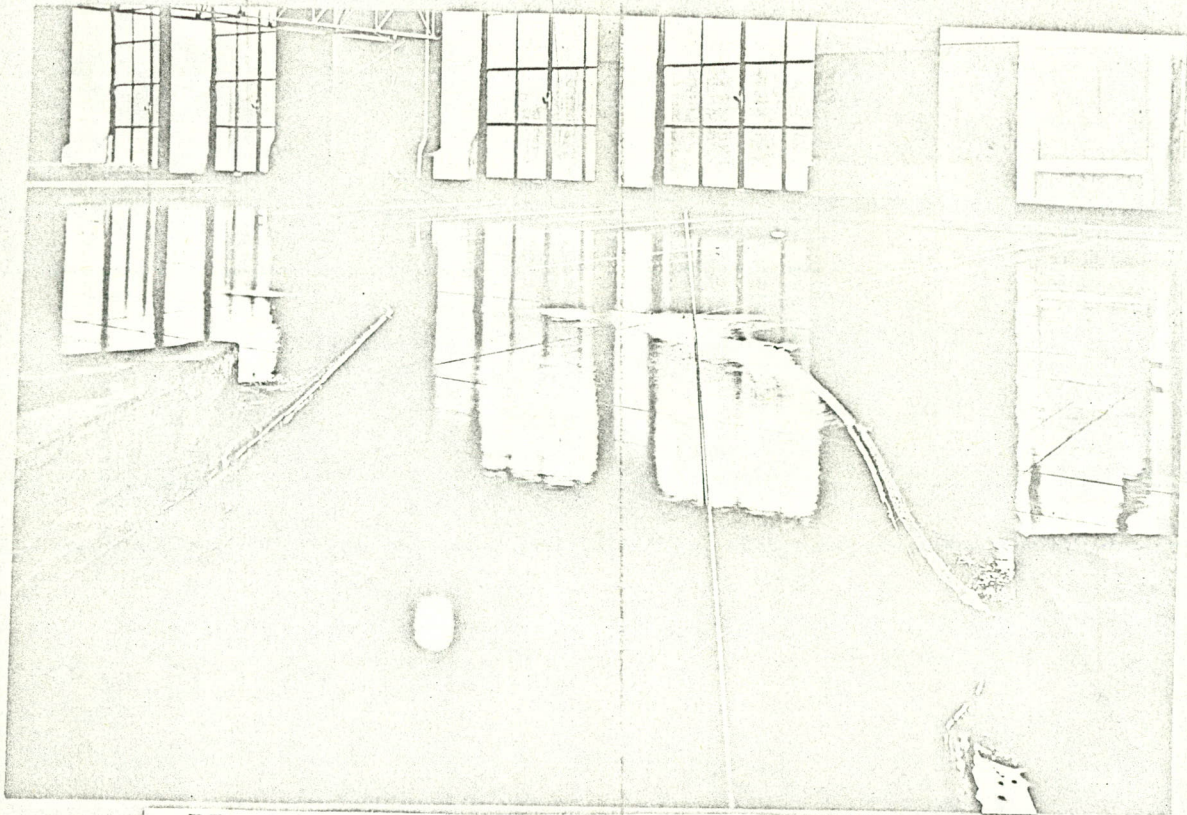


33. Stroom op halve diepte bij de mond, bestaande toestand.

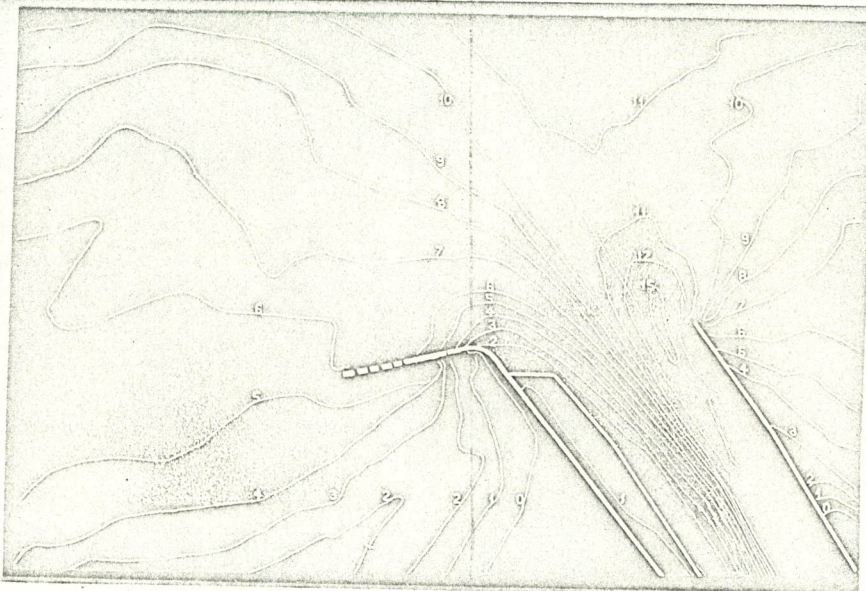


34. Bodemstroomlijnen, bestaande toestand.

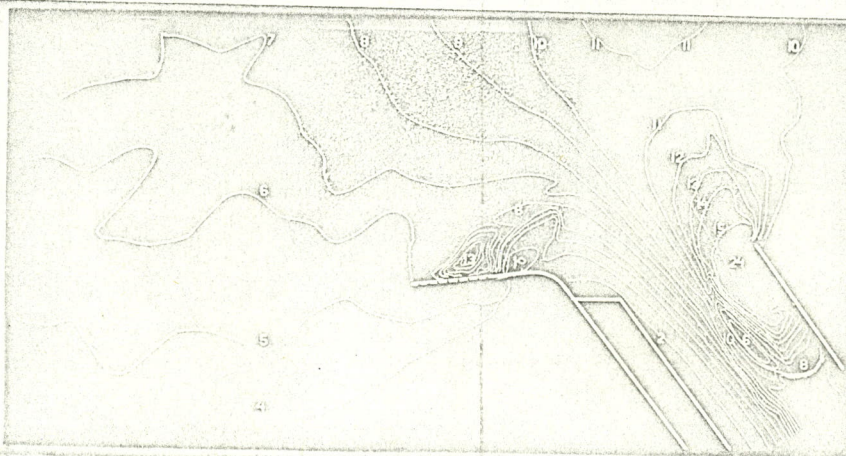




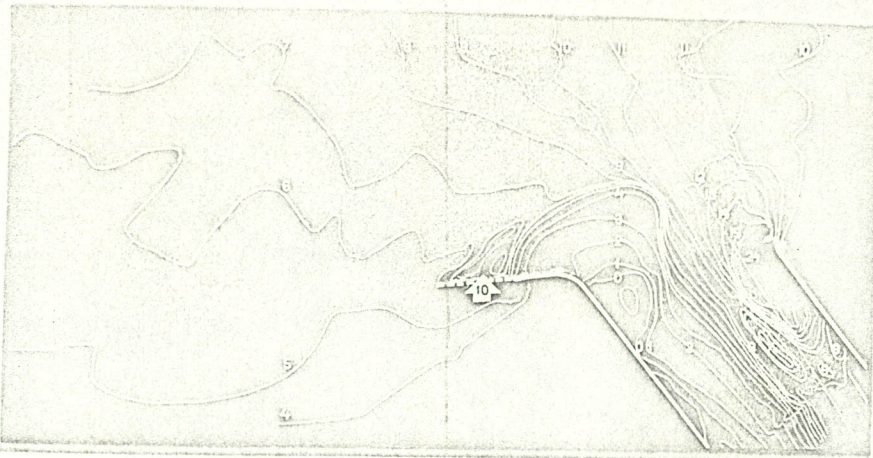
35. Overzicht van het model in de bestaande toestand.



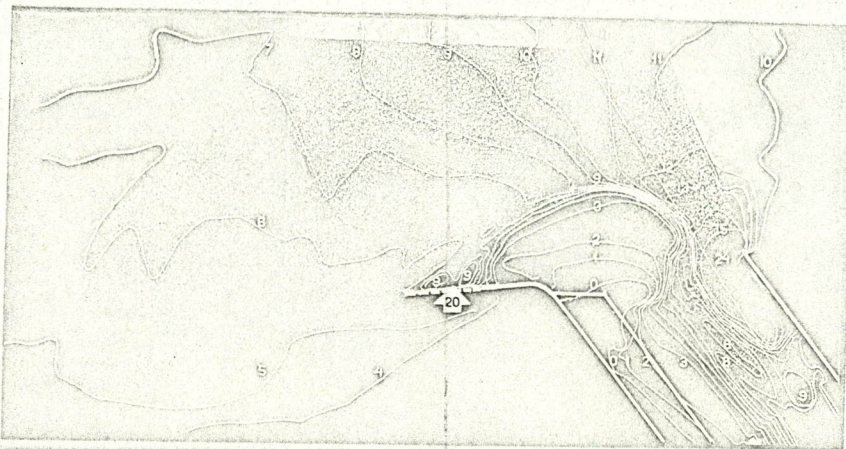
36. Bestaande toestand (0). Mukolplaat van de uitgangsligging (U).



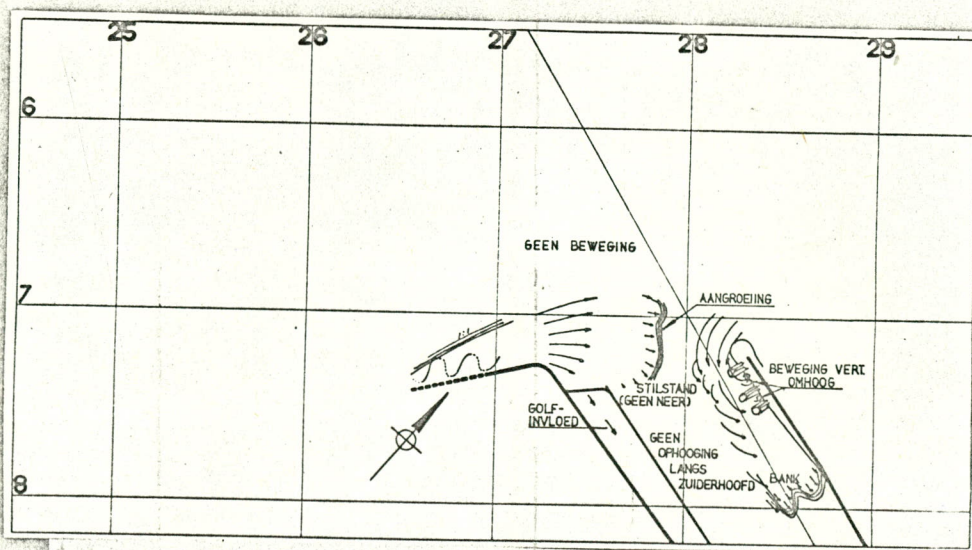
37. Bestaande toestand (0). Mukolplaat na 5 uur stroomen, zonder golven en bimsaanvoer (A).



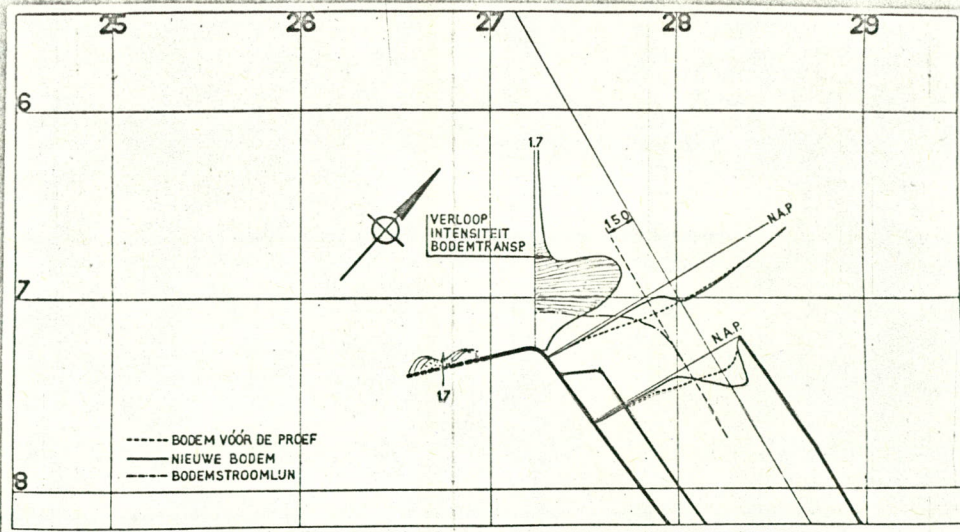
38. Bestaande toestand (0). Mukolplaat na 5 + 7 uur stroomen en aanvoer van 10 liter bims (B).



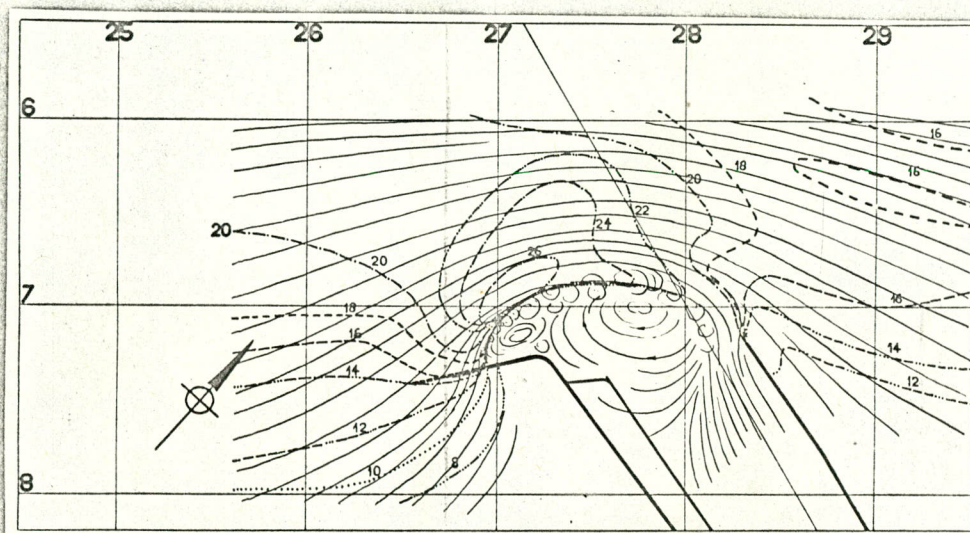
39. Bestaande toestand (0). Mukolplaat na 5 + 12 uur stroomen en aanvoer van 20 liter bims.



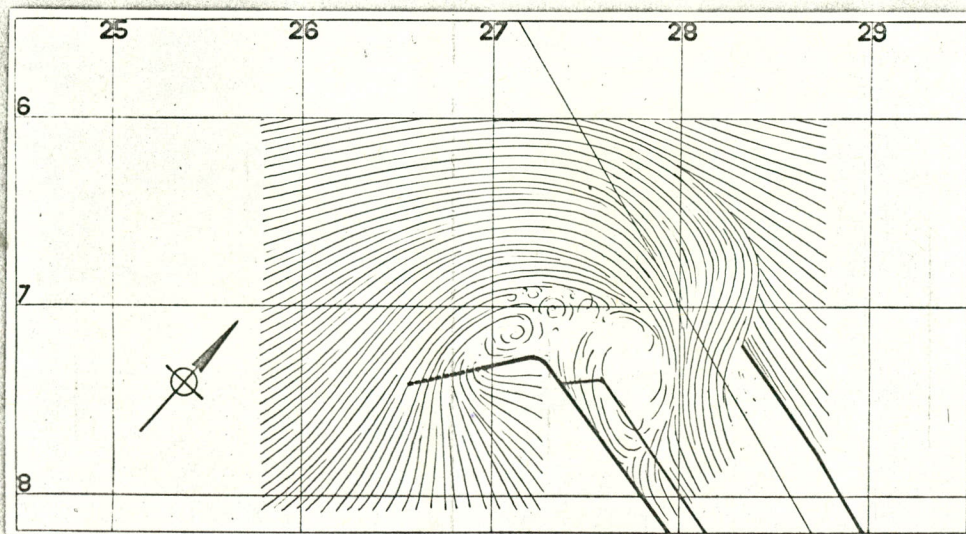
40. Schema van de beweging van bimskorrels.



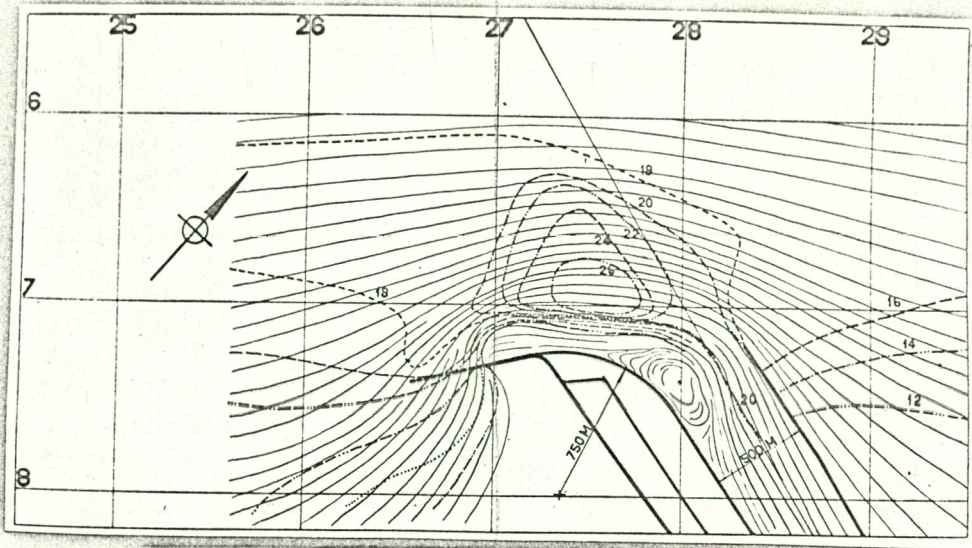
41. Bestaande toestand, bimtransport-diagram.



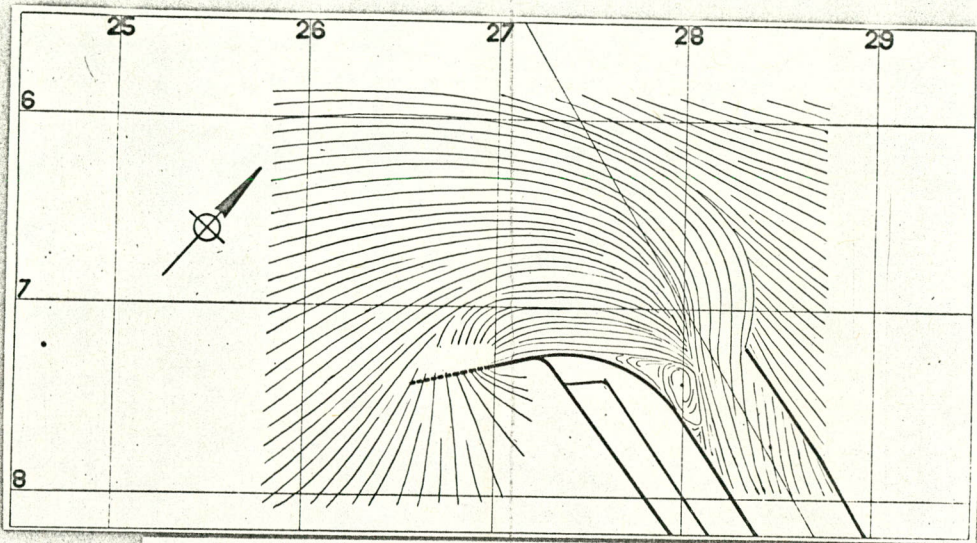
42. Toestand 1, oppervlaktestroom.



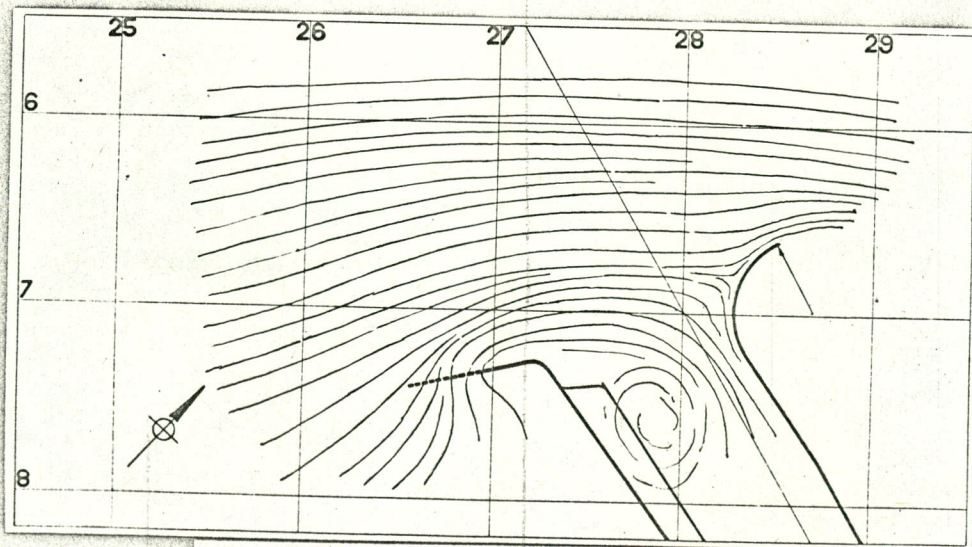
43. Toestand 1, bodemstroomlijnen.



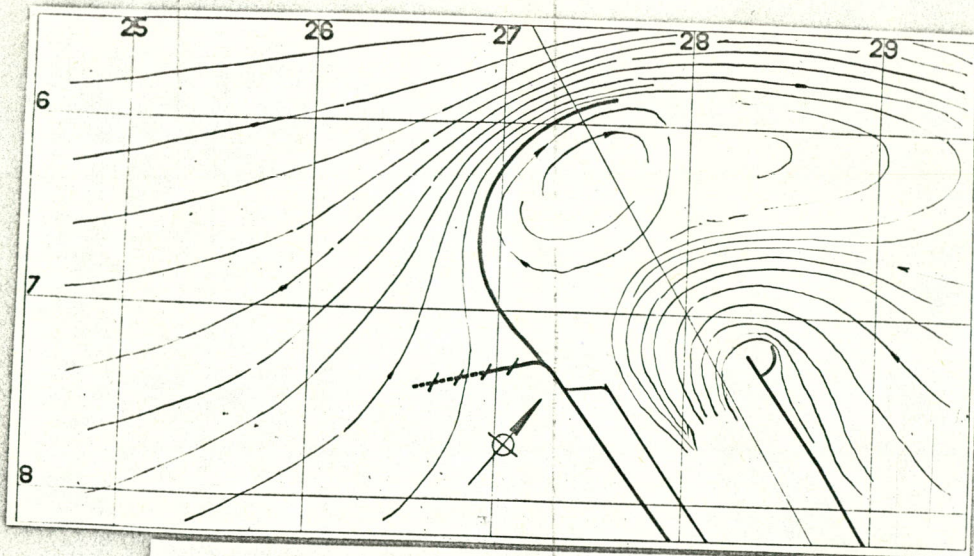
44. Toestand 2, oppervlaktestroom.



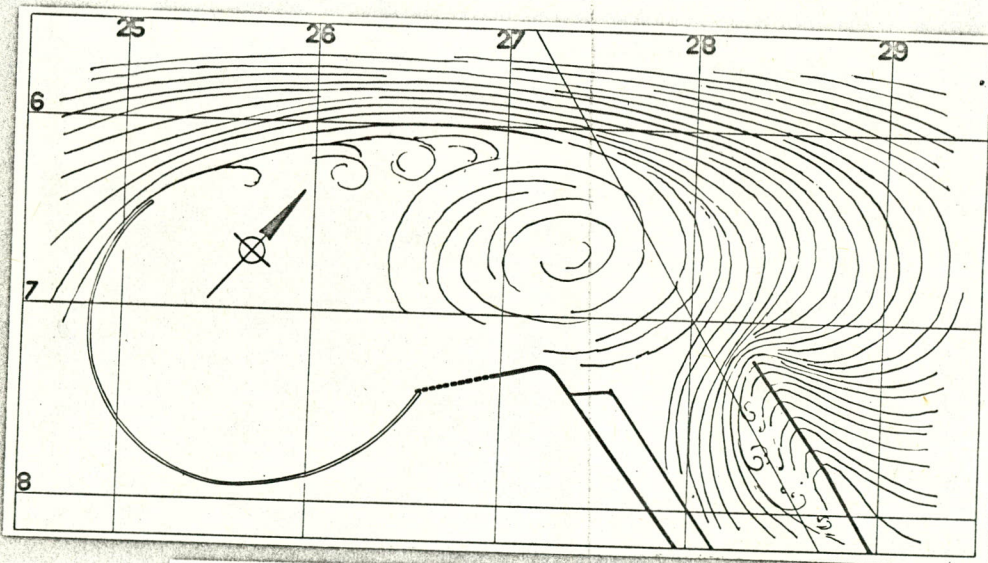
45. Toestand 2, bodemstroomlijnen.



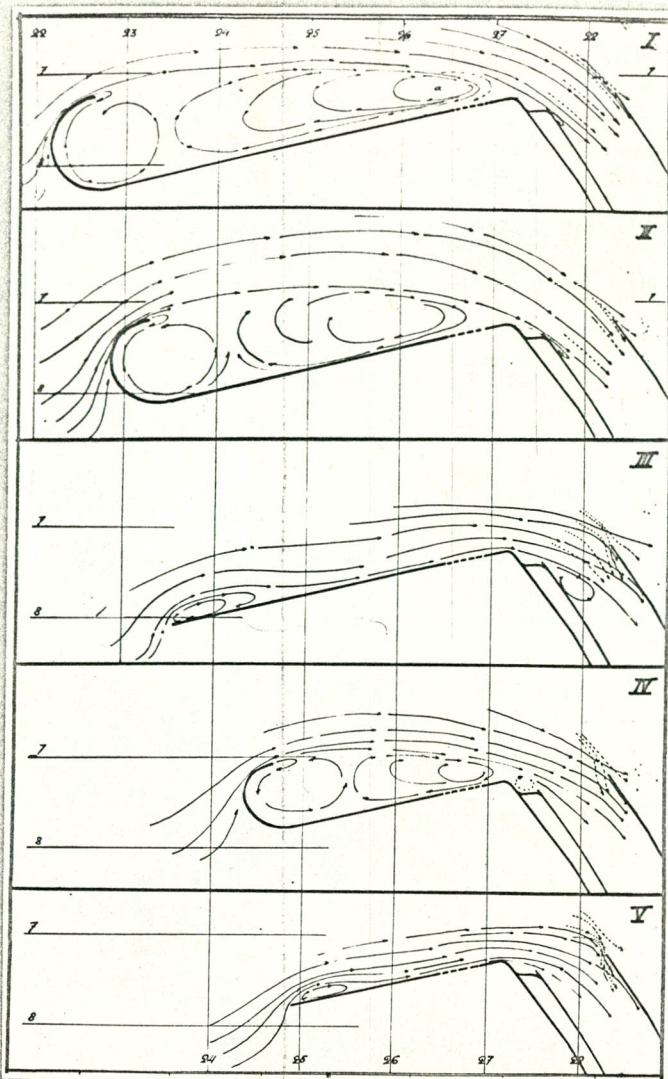
46. Toestand D, stroomlijnen.



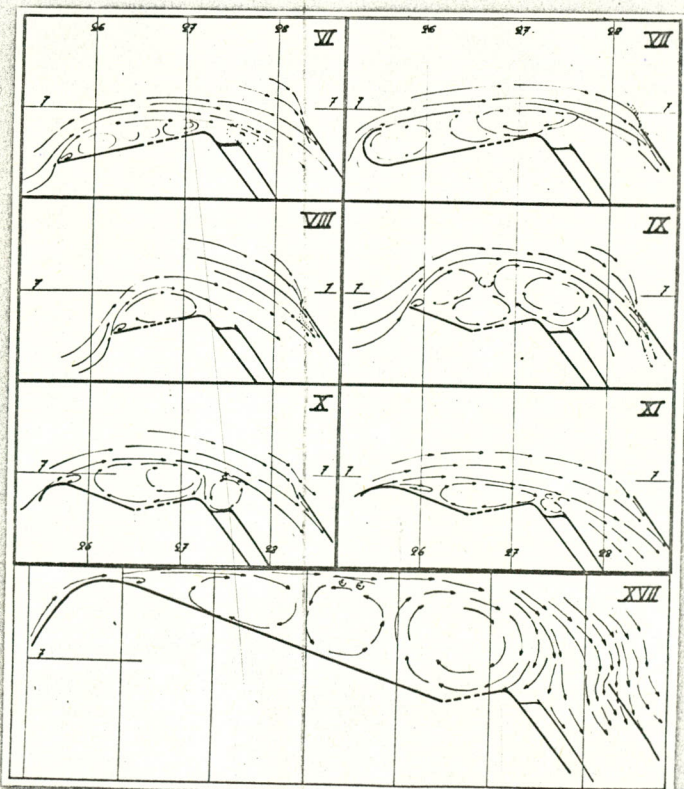
47. Toestand 16, stroomlijnen.



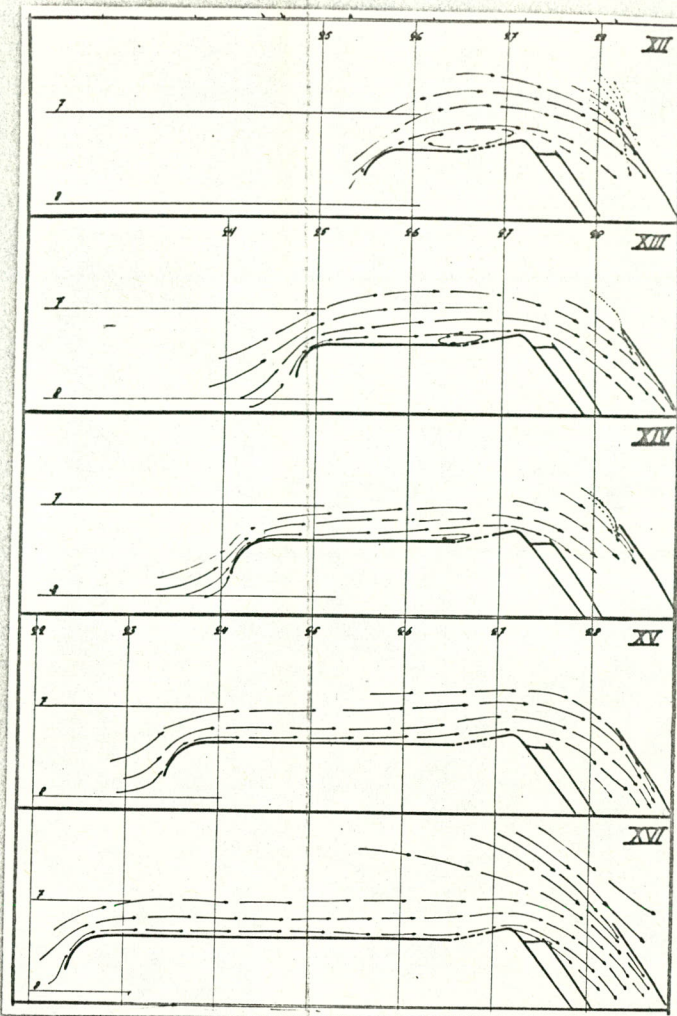
48. Toestand A, stroomlijnen.



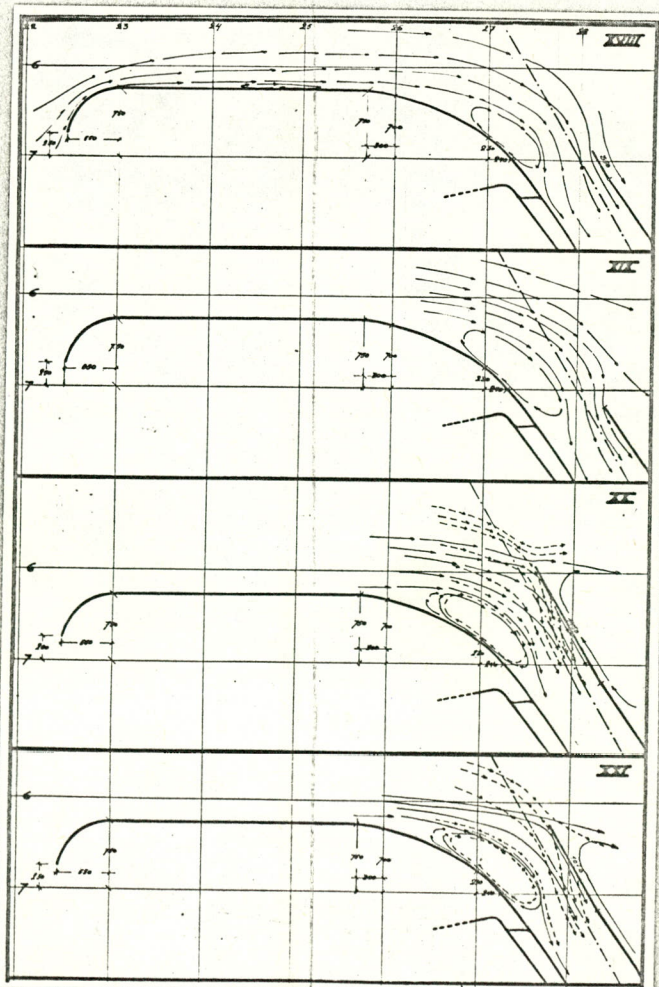
49. Toestanden W I / V, stroomlijnen.



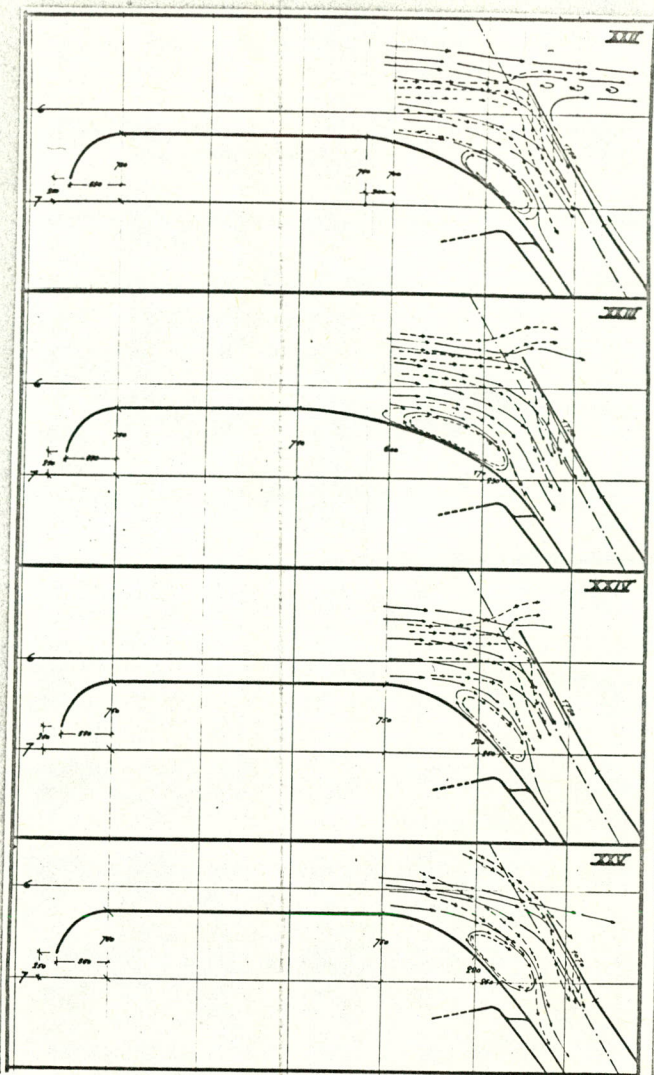
50. Toestanden W VI - XI, XVII, stroomlijnen.



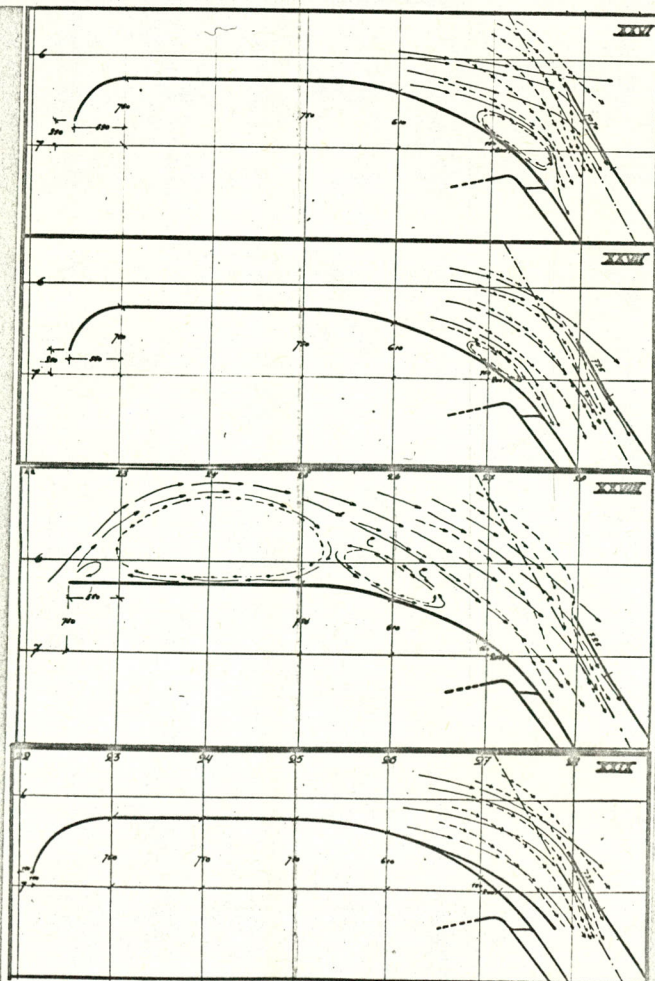
51. Toestanden # XII - XVI, stroomlijnen.



52. Toestanden W XVIII - XXI, stroomlijnen.

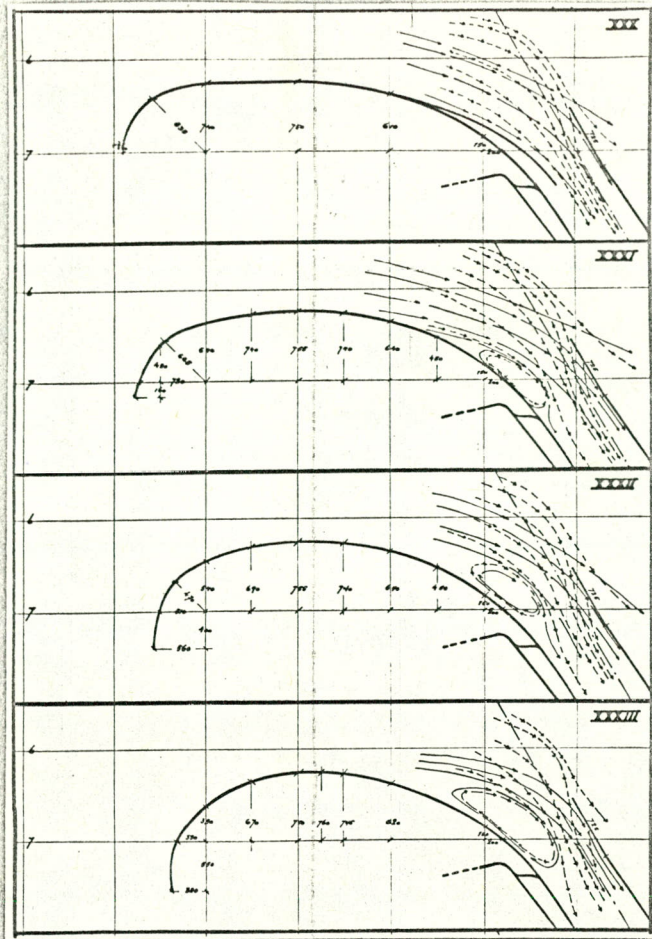


53. Toestanden W XXII - XXV, stroomlijnen.

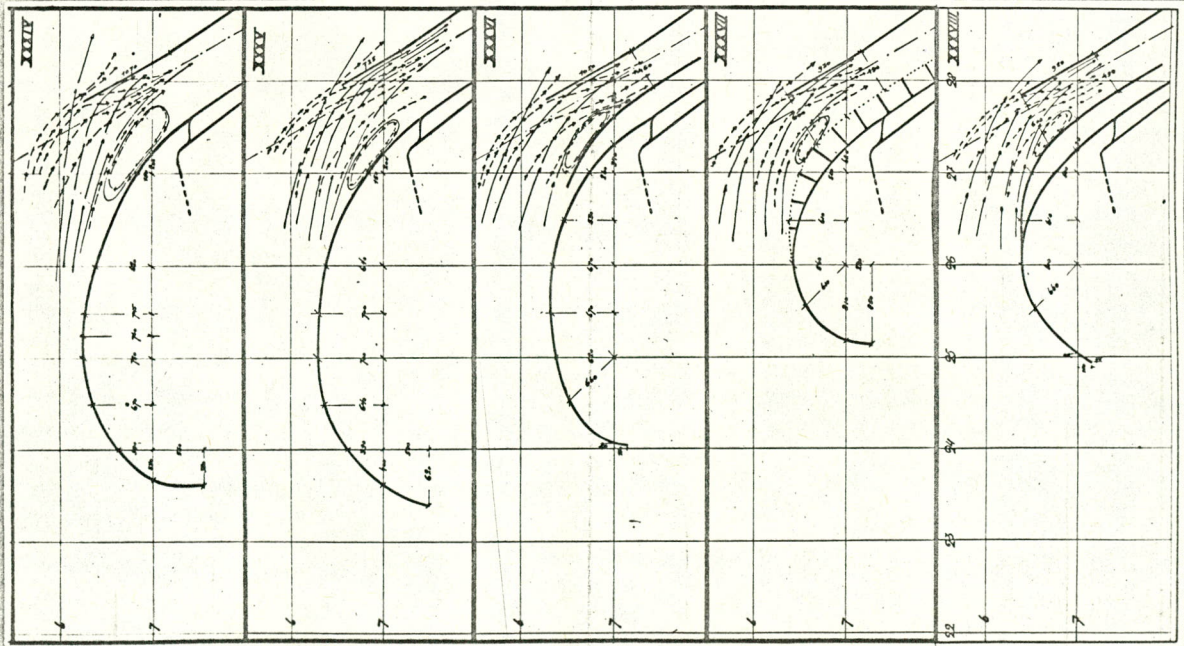


54. Toestanden W XXVI - XXIX, stroomlijnen.

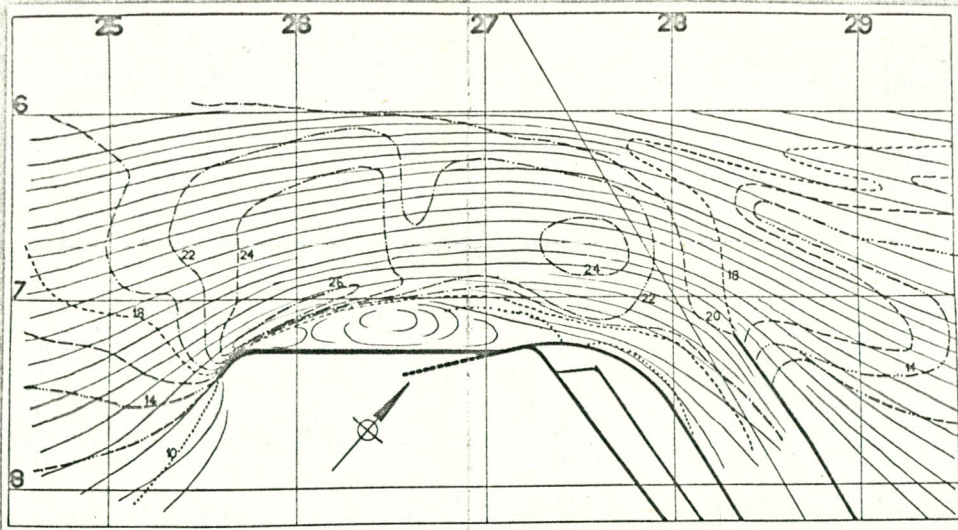




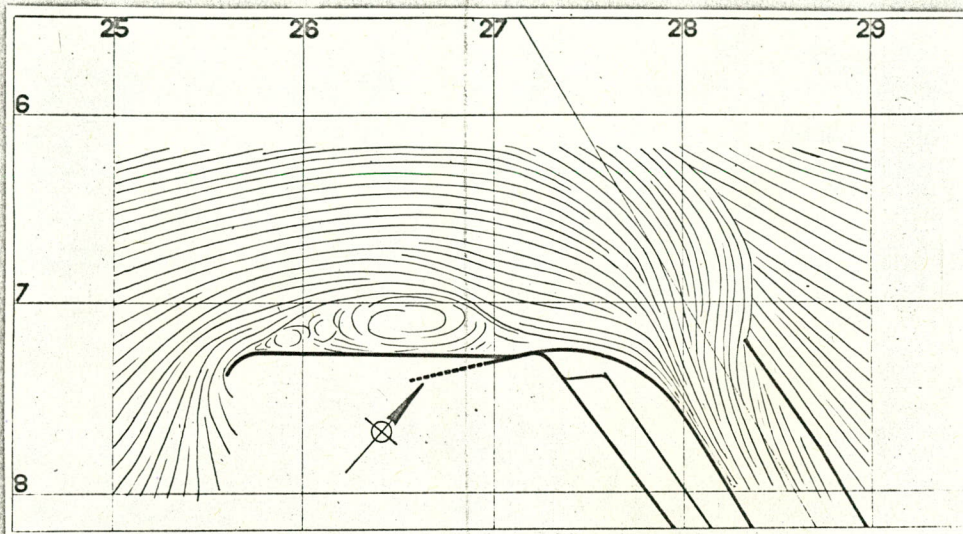
55. Toestanden W XXX - XXXIII, stroomlijnen.



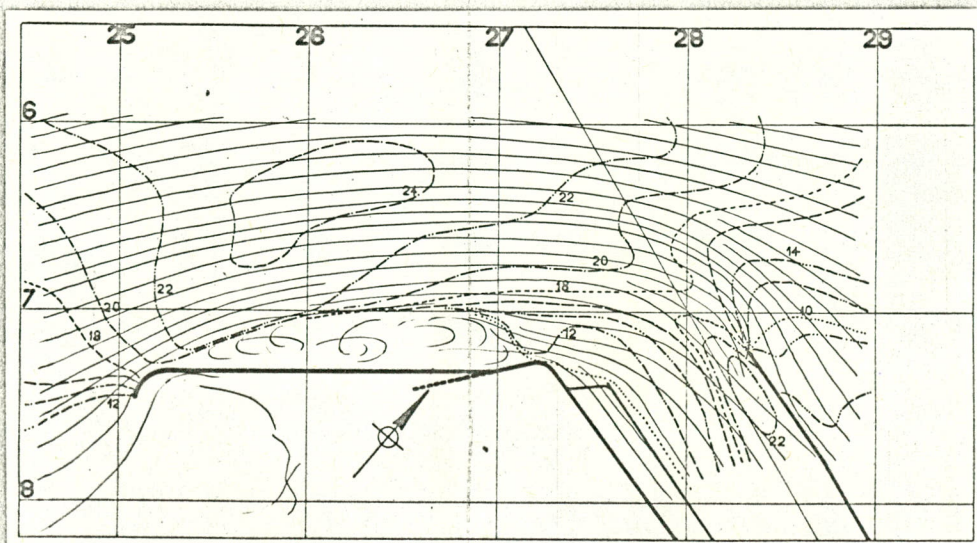
56. Toestanden W XXXIV - XXXVIII, stroomlijnen.



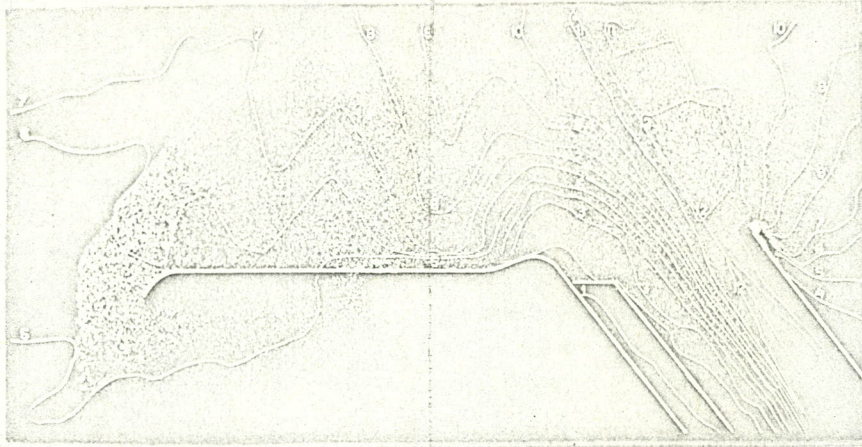
57. Voorloopige toestand 4, oppervlakterestroom.



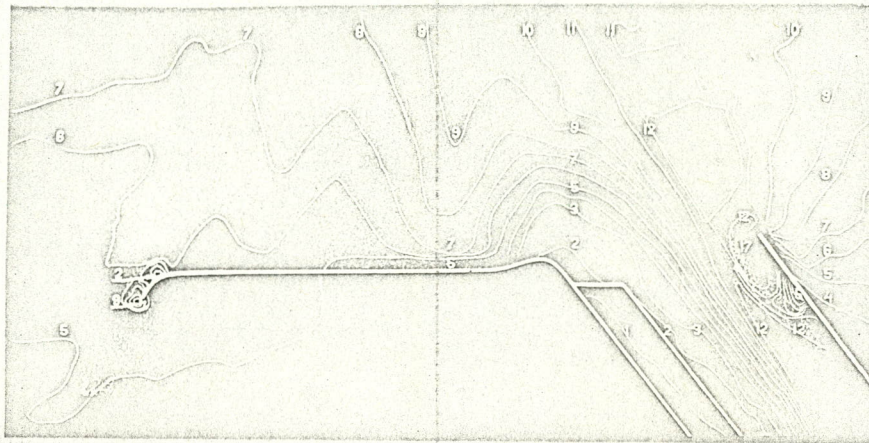
58. Voorloopige toestand 4, bodemstroomlijnen.



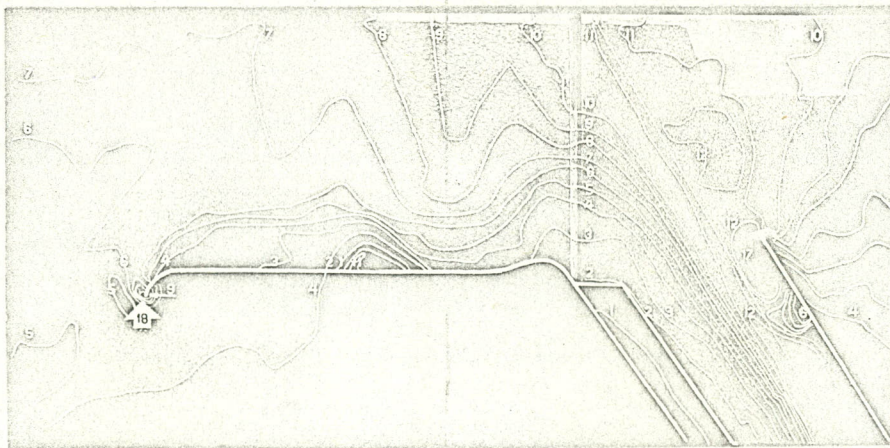
59. Toestand 4, oppervlakterestroom.



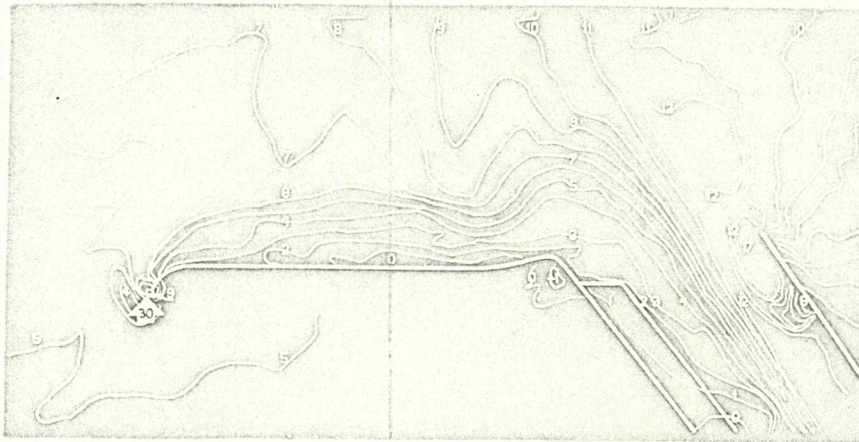
60. Toestand 4. Mukolplaat van de uitgangsligging (U).



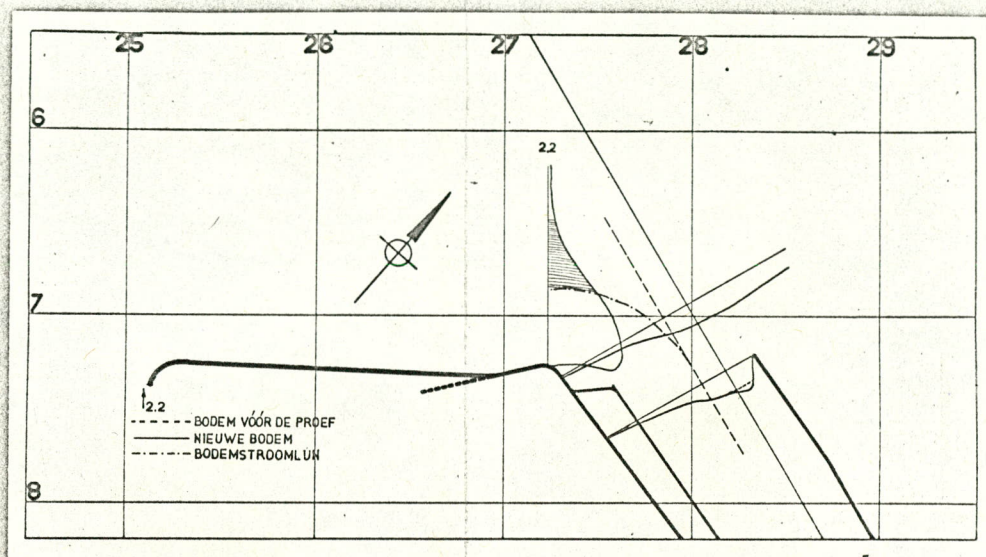
61. Toestand 4. Mukolplaat na 5 uur stroomen zonder golven of bimsaanvoer (A).



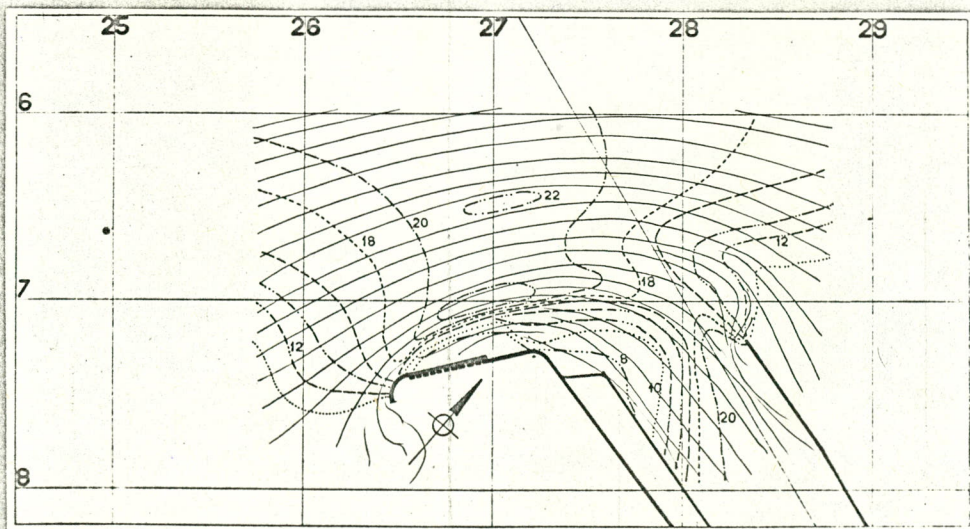
62. Toestand 2. Mukolplaat na 5 + 7 uur stroomen zonder golven en aanvoer van 18 liter bims (B).



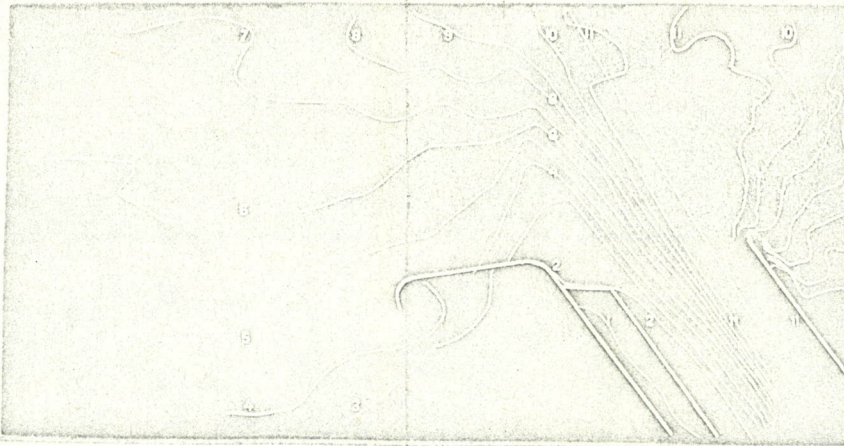
63. Toestand 4. Mukolplaat na 5 + 14 uur stroomen en aanvoer van 30 liter bims (C).



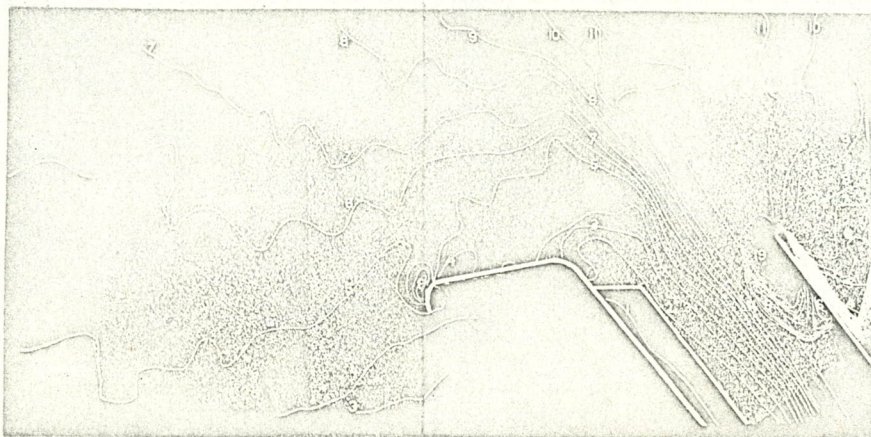
64. Toestand 4, bims-transport-diagram.



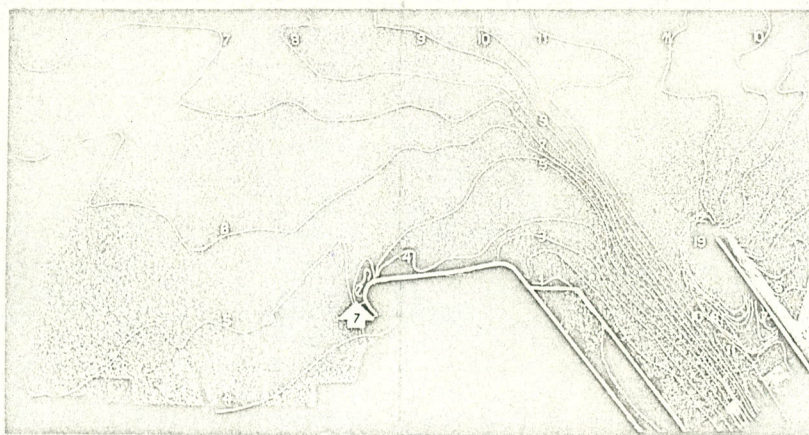
65. Toestand 14, oppervlaktestroom.



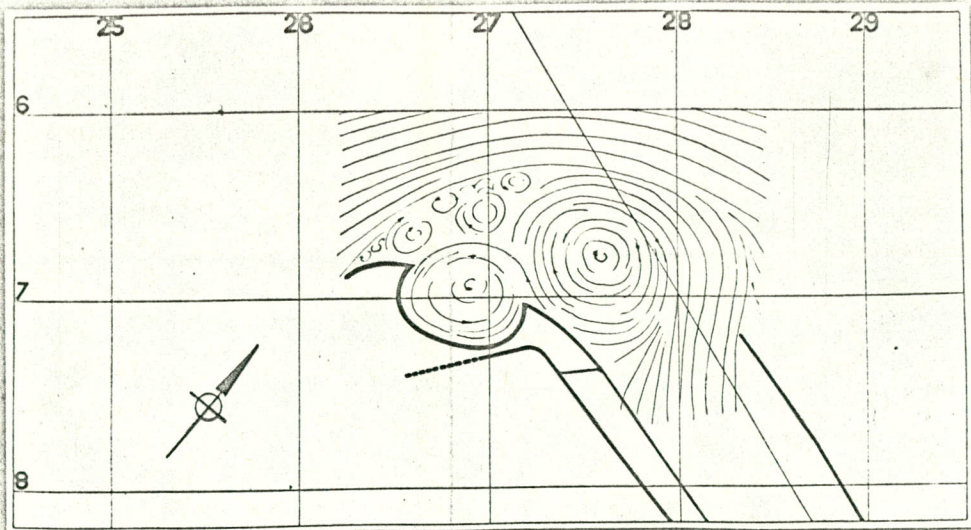
66. Toestand 14. Mukolplaat van de uitgangsligging (U).



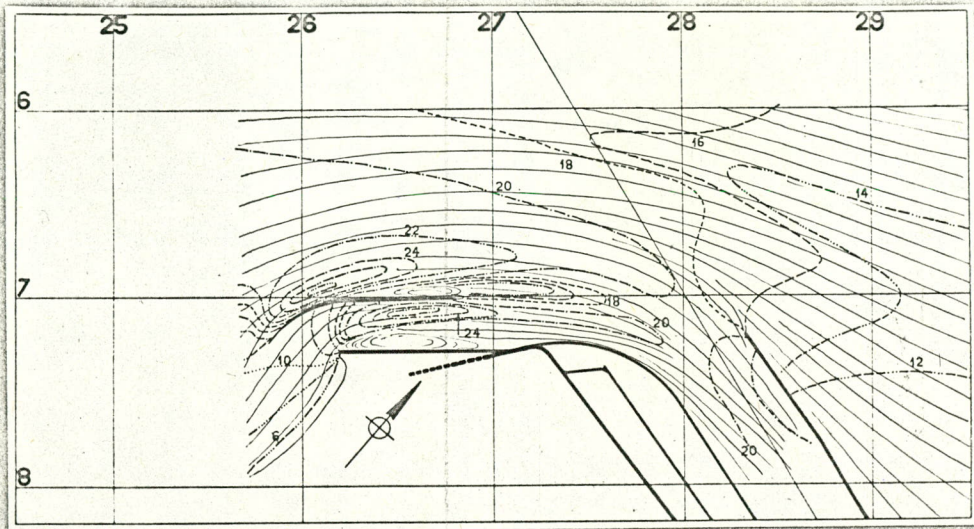
67. Toestand 14, Mukolplaat na 3 uur stroomen met golven, geen bimsaanvoer.



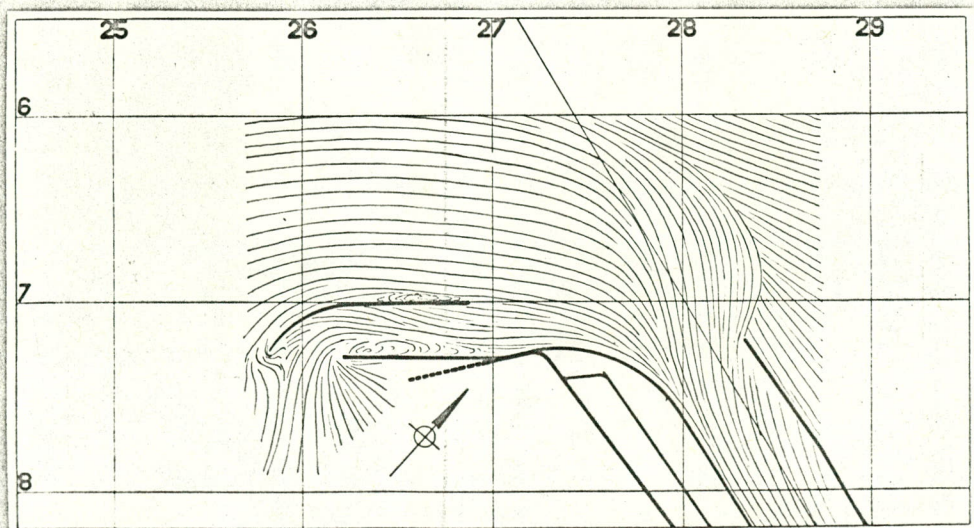
68. Toestand 14. Mukolplaat na 3 + 7 uur stroomen en aanvoer van 7 liter bims (C).



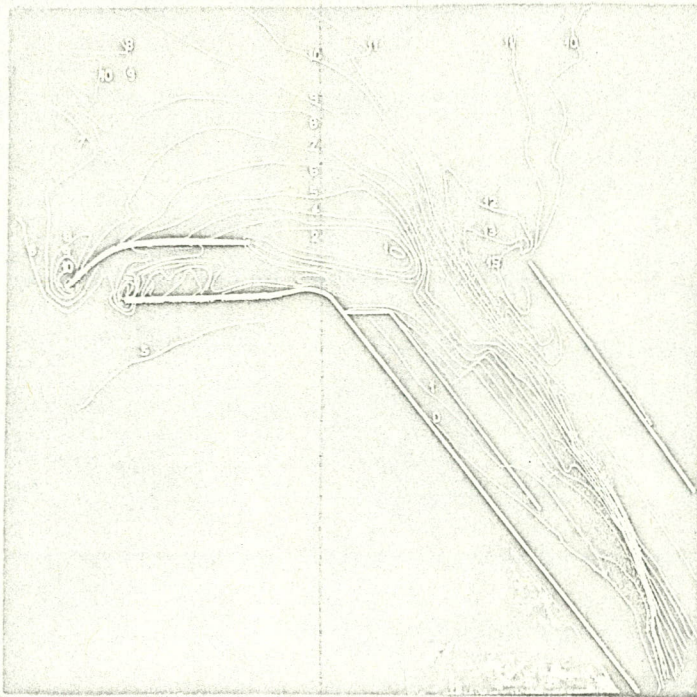
69. Toestand 9, stroomlijnen.



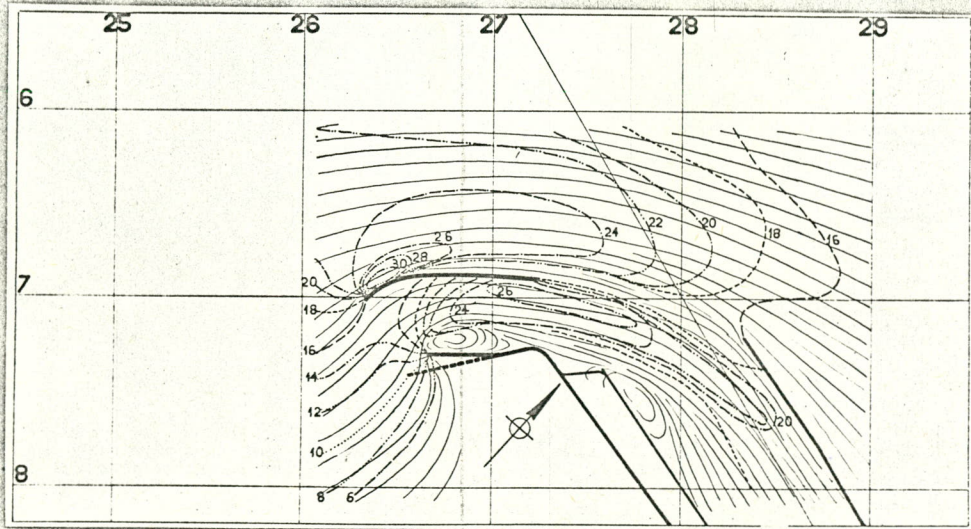
70. Toestand 3, oppervlaktestroom.



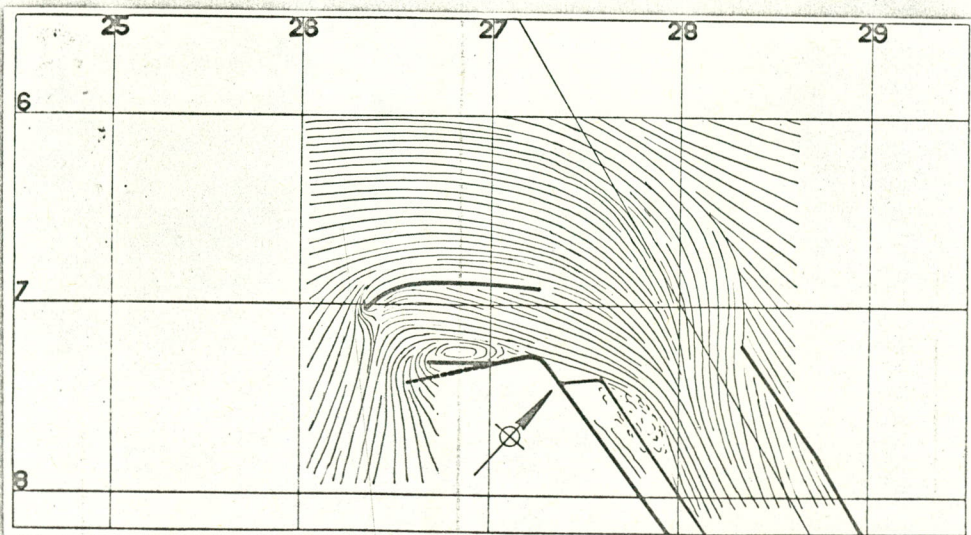
71. Toestand 3, bodemstroomlijnen.



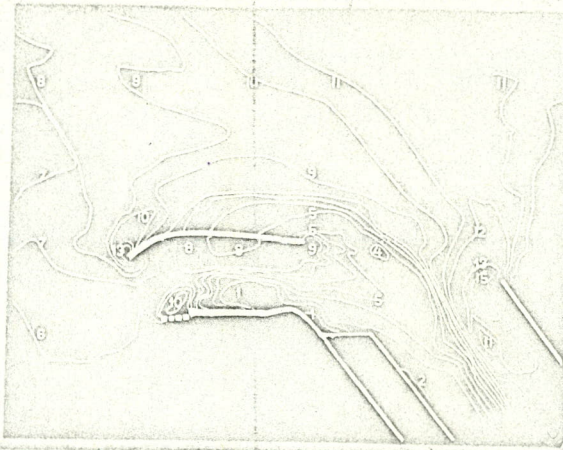
72. Toestand 5. Mukolplaat na stroomen met golven en bimsaanvoer.



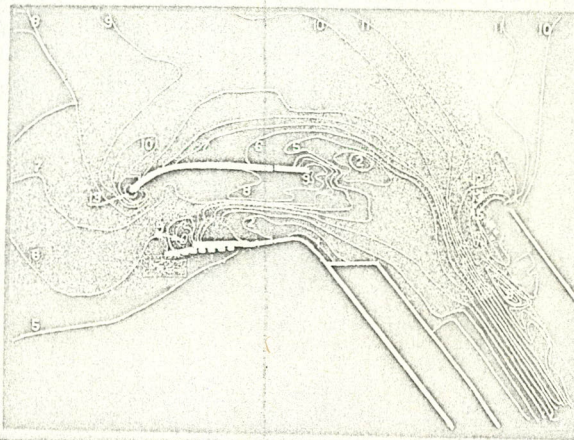
73. Toestand 8, oppervlaktestroom.



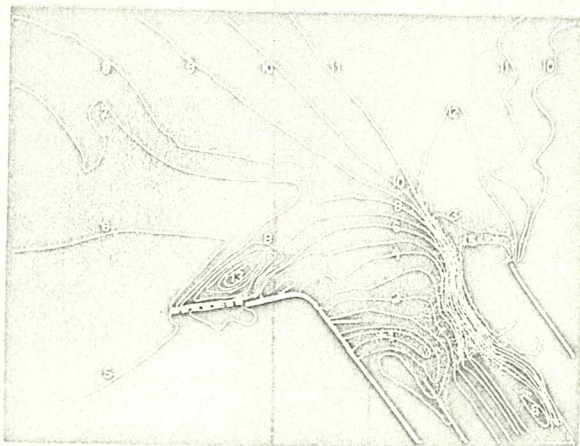
74. Toestand 8, bodemstroomlijnen.



75. Toestand 8. Mukolplaat na stroomen met golven en bimsaanvoer.

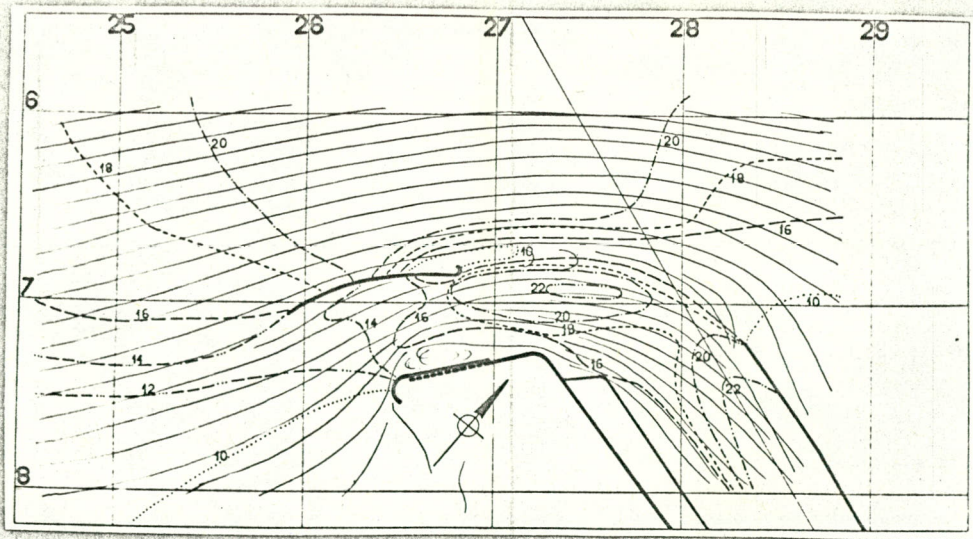


76. Toestand 8. Mukolplaat na stroomen met afgesloten Waterweg.

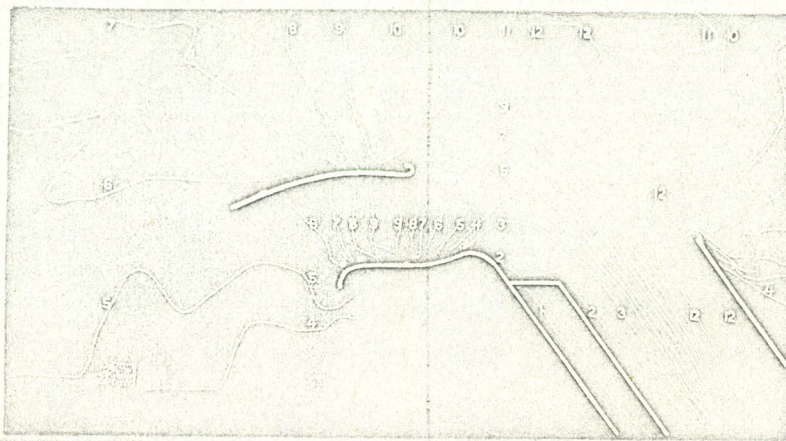


77. Bestaande toestand. Voorloopige mukolplaat na stroomen met golven en bimsaanvoer (b).

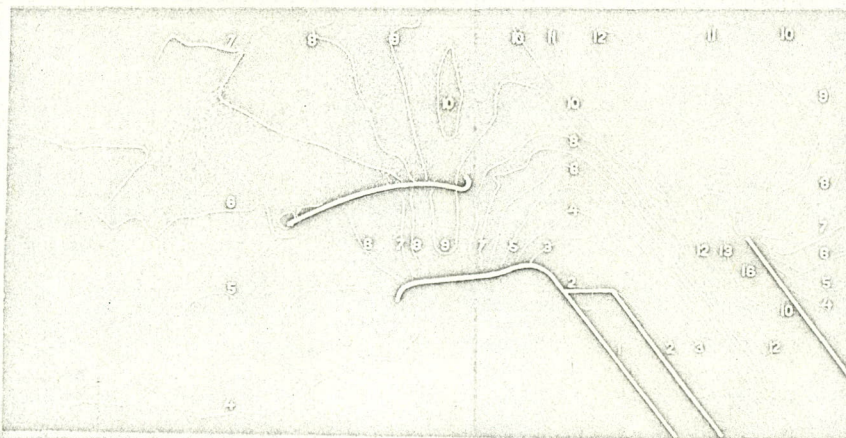




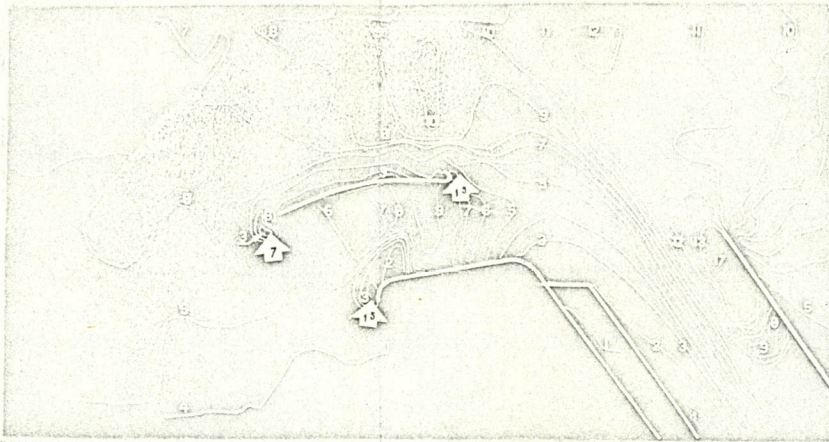
78. Toestand 13, oppervlaktestroom.



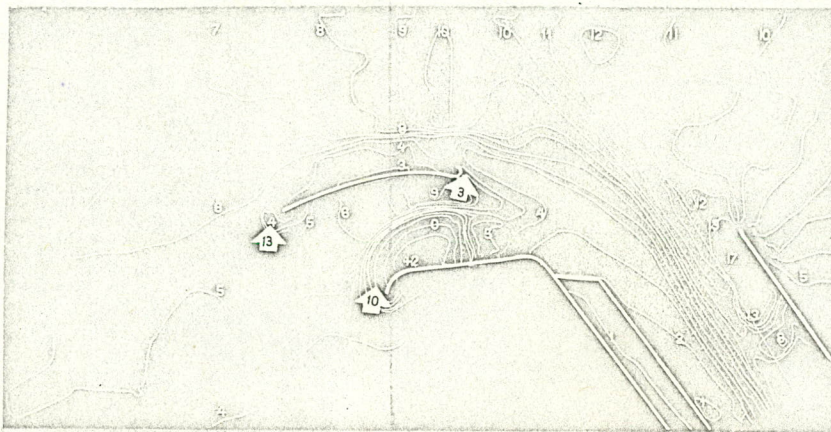
79. Toestand 13. Mukolplaat van de uitgangsligging (U).



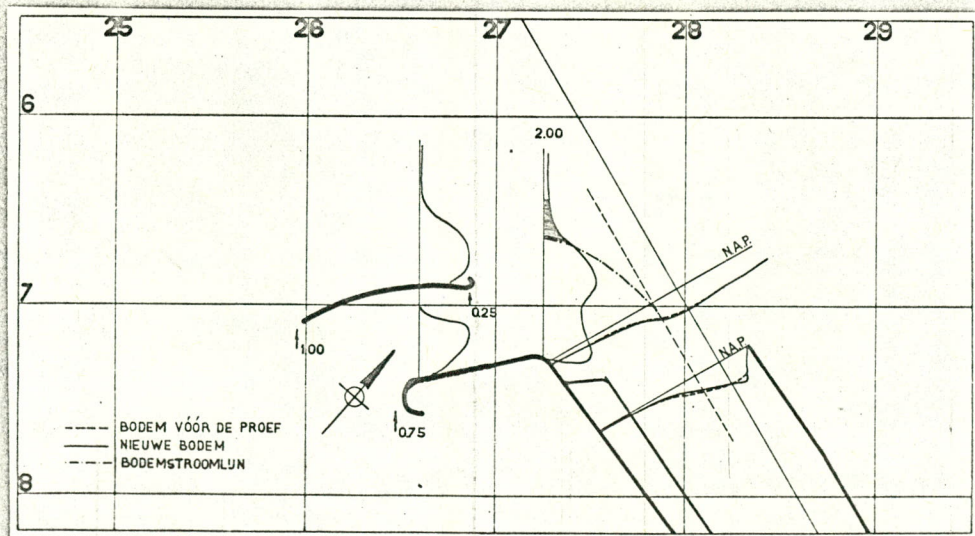
80. Toestand 13. Mukolplaat na 3 + 3 uur stroomen, geen bimsaanvoer.



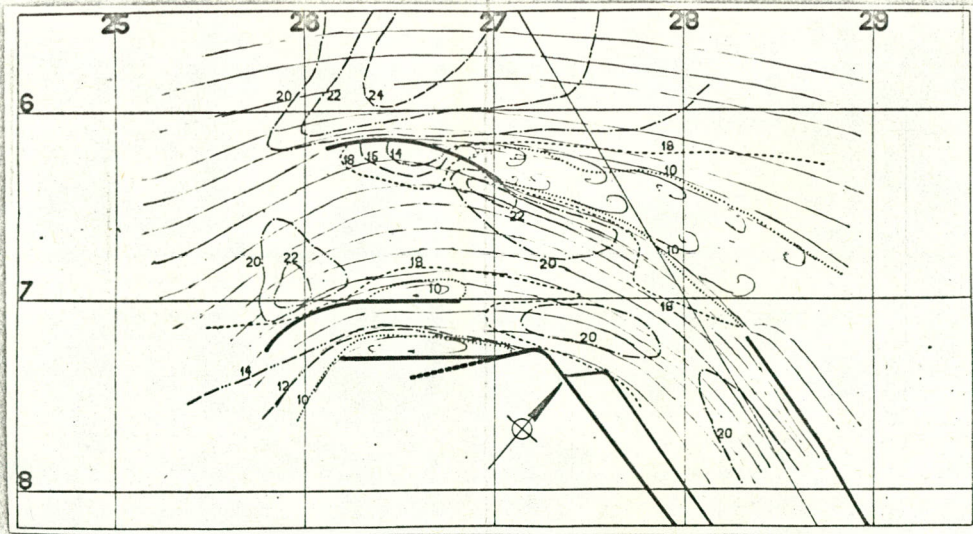
81. Toestand 13. Mukolplaat na 3 + 7 uur stroomen en aanvoer van 10 liter bims (C).



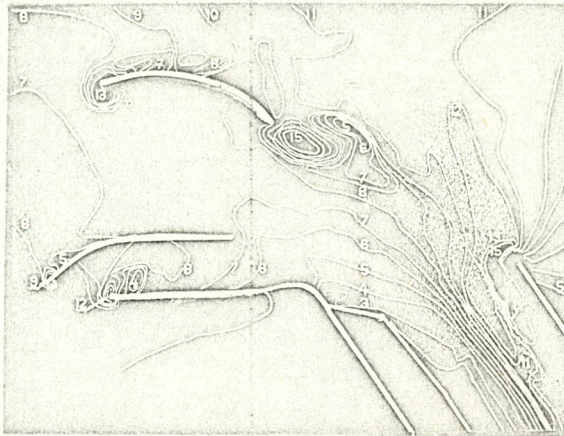
82. Toestand 13. Mukolplaat na 3 + 14 uur stroomen en aanvoer van 26 liter bims (D).



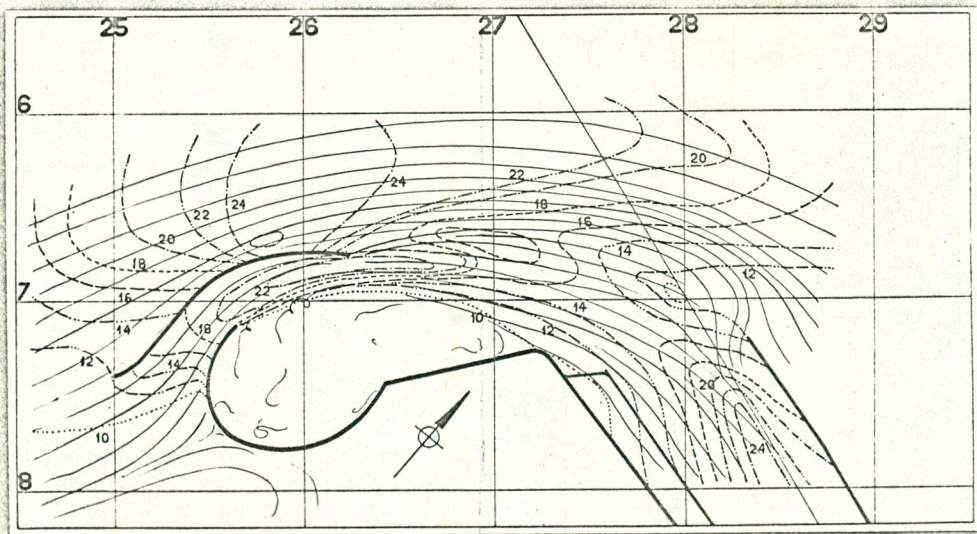
83. Toestand 13, bims transport-diagram.



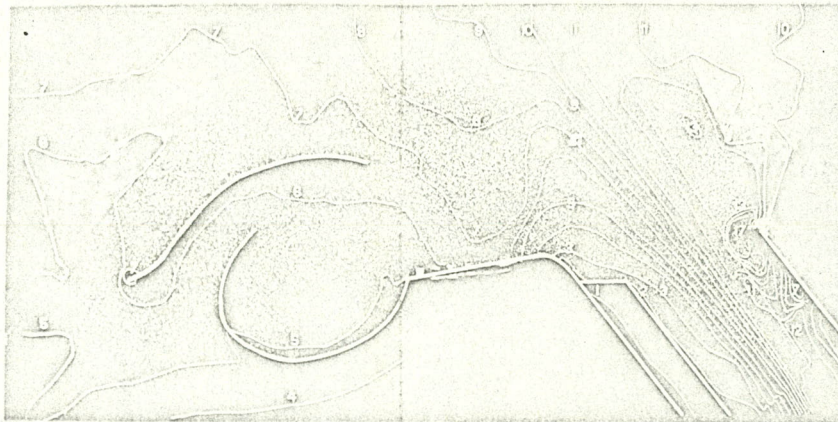
84. Toestand 7, oppervlaktestroom.



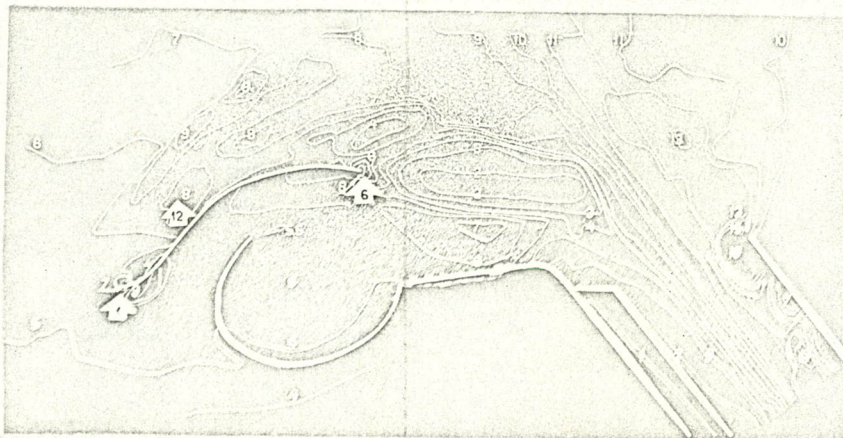
85. Toestand 7. Mukolplaat na stroomen met golven (b).



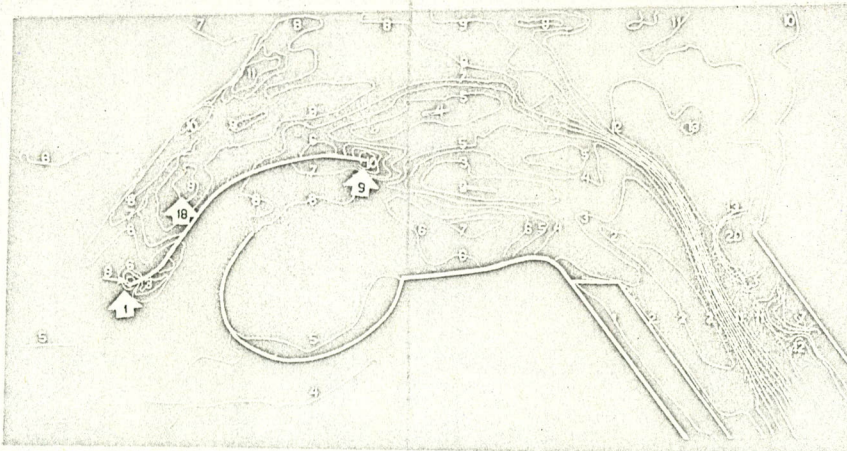
86. Toestand 11, oppervlaktestroom.



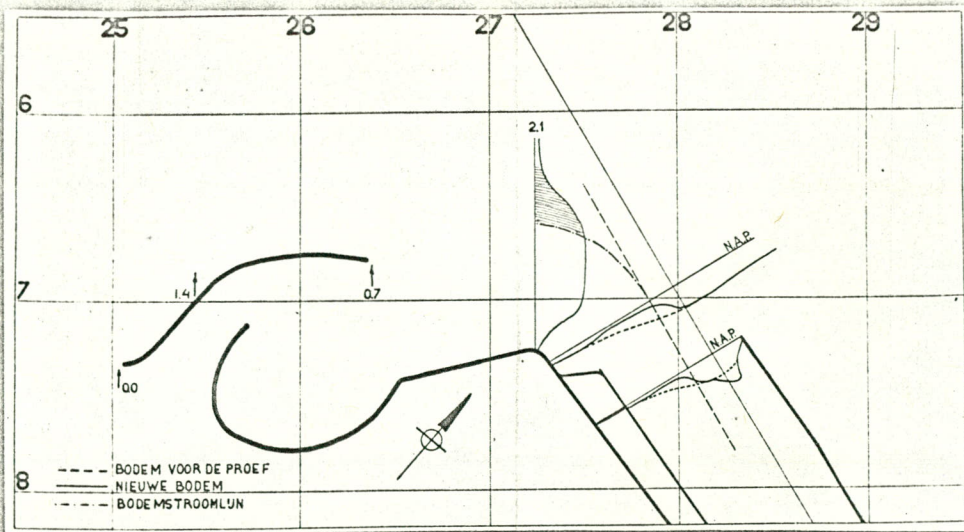
87. Toestand 11. Mukolplaat na 6 uur stroomen zonder golven en bimsaanvoer. (A).



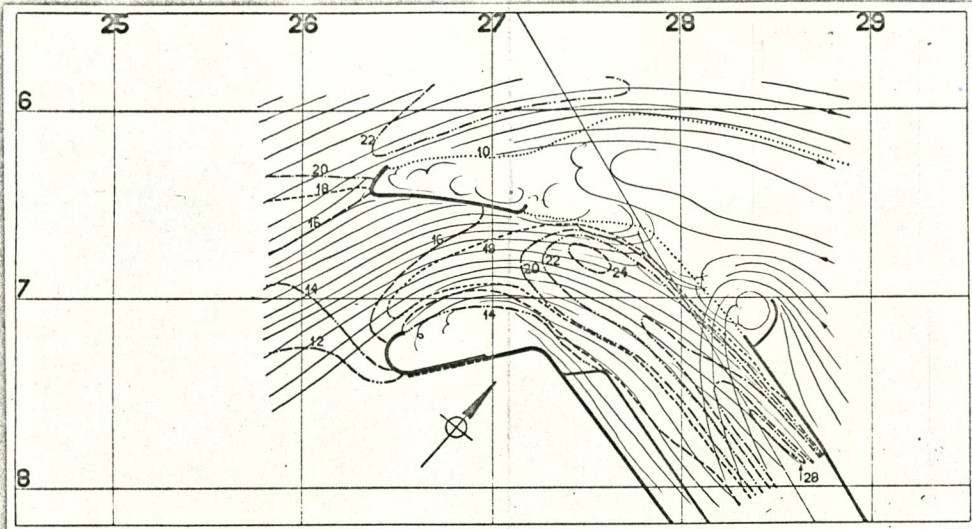
88. Toestand 11. Mukolplaat na 6 + 8 uur stroomen en aanvoer van 19 liter bims (B).



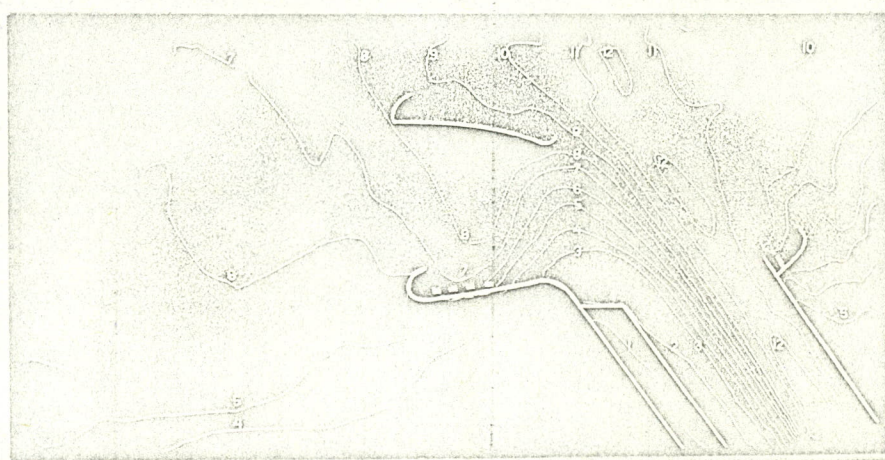
89. Toestand 11. Mukolplaat na 6 + 14 uur stroomen en aanvoer van 28 liter bims.



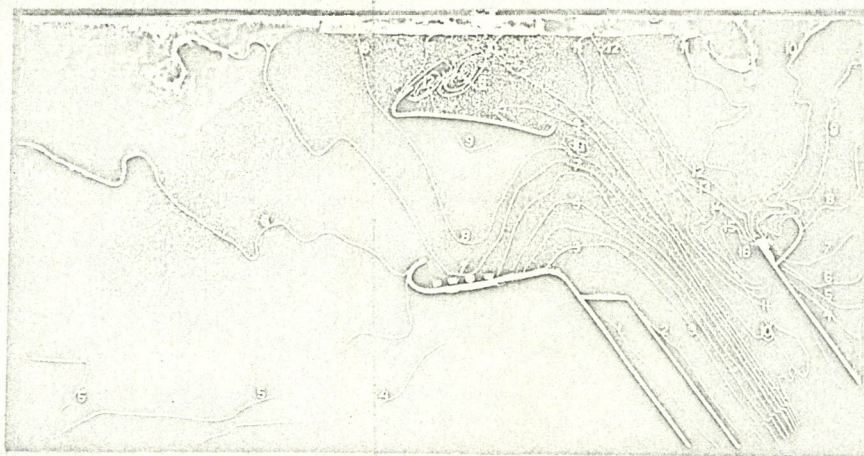
90. Toestand 11, blztransport-diagram.



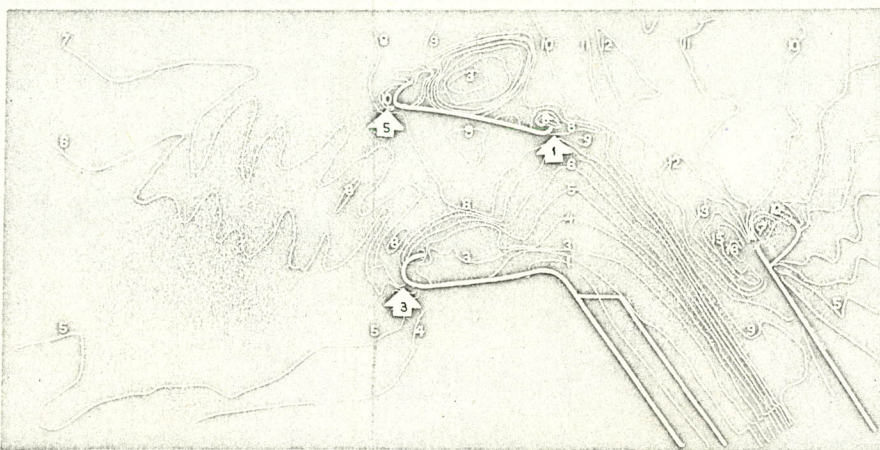
91. Toestand 12, oppervlaktestroom.



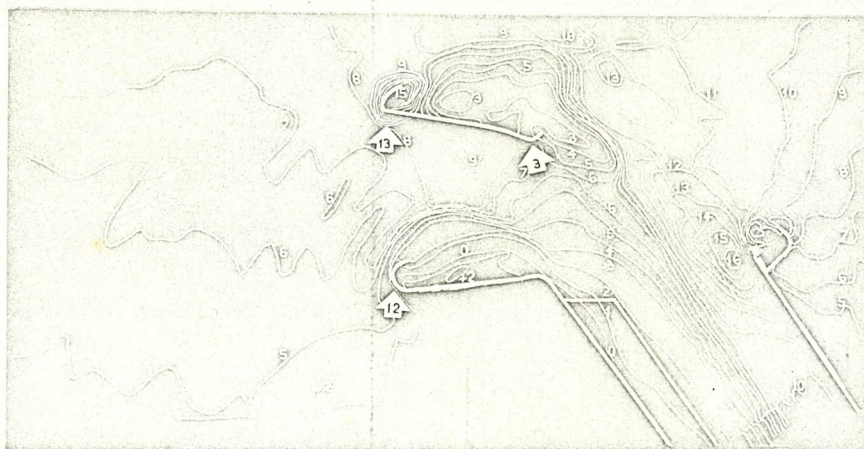
92. Toestand 12. Mukolplaat van de uitgangsligging (U).



93. Toestand 12. Mukolplaat na 6 uur stroomen  
 zonder golven of bimsaanvoer (A).



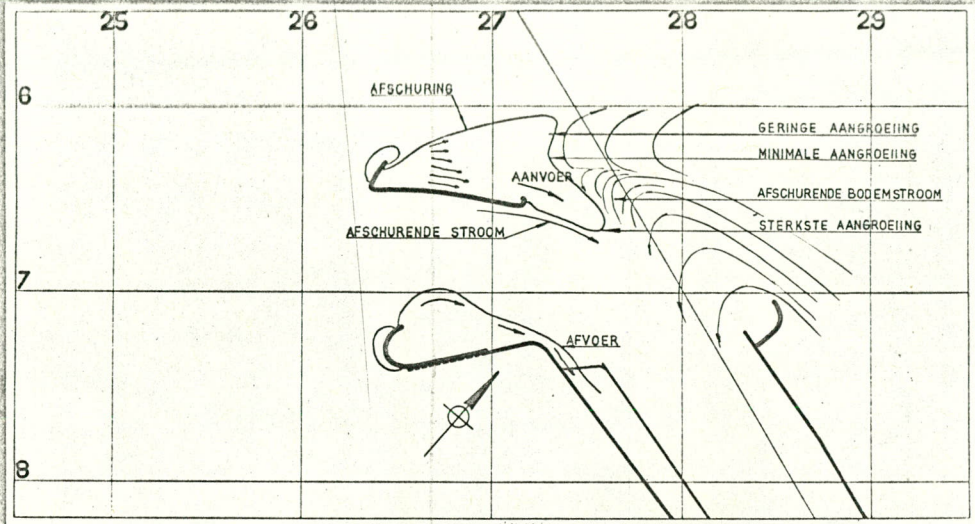
94. Toestand 12. Mukolplaat na 6 + 7 uur stroomen  
 en aanvoer van 9 liter bims.



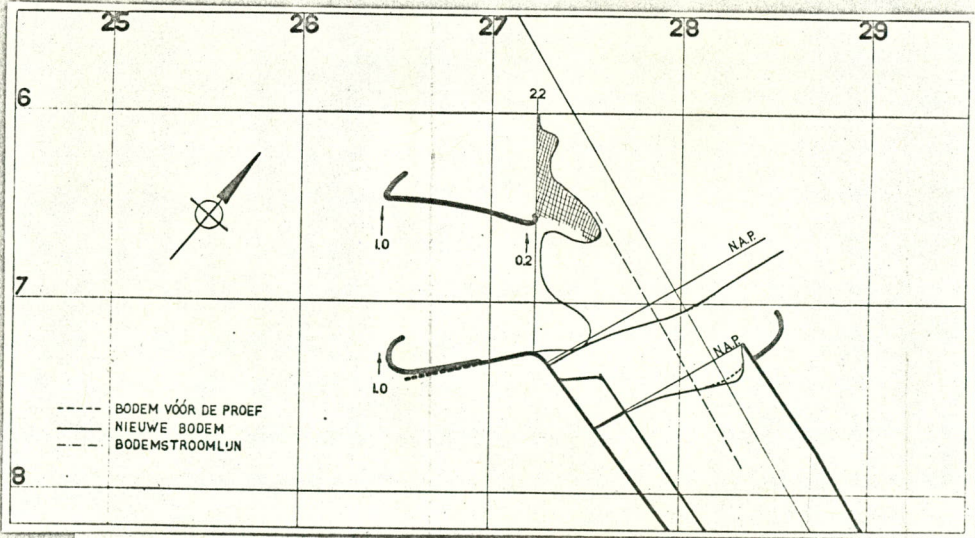
95. Toestand 12. Mukolplaat na 6 + 14 uur stroomen  
 en aanvoer van 28 liter bims (C).



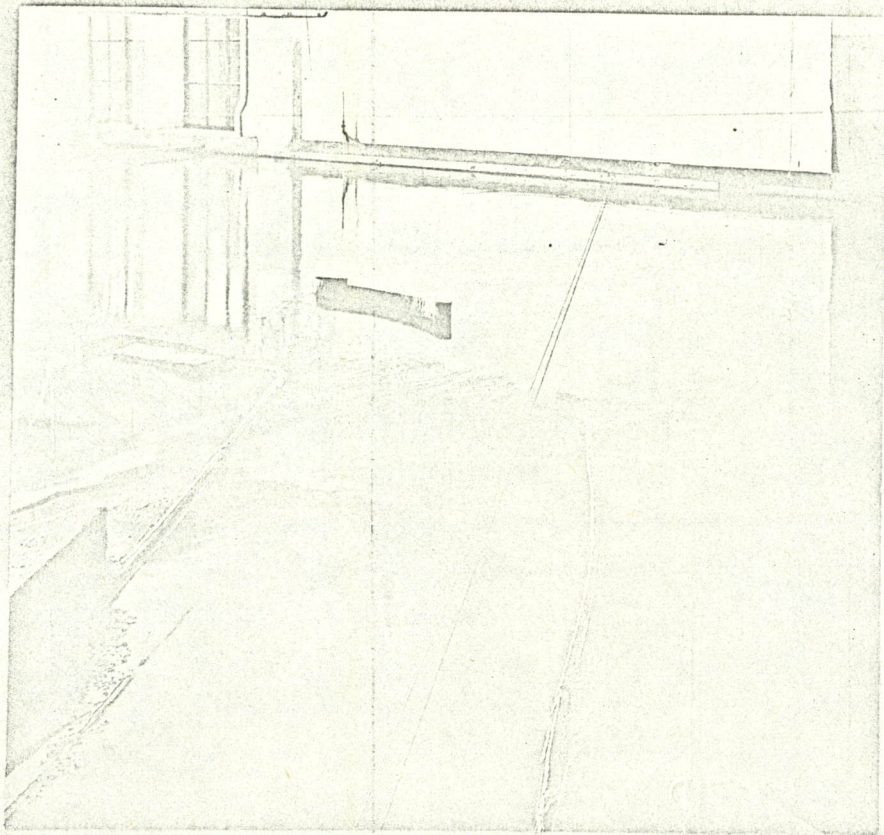
96. Toestand 12. Mukolplaat na 6 + 21 uur stroomen en aanvoer van omstreeks 40 liter bims (C).



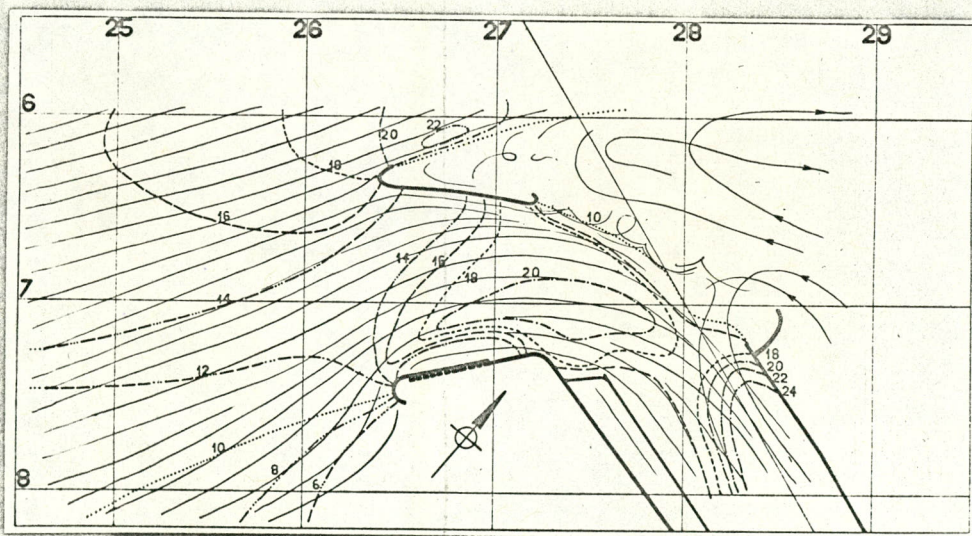
97. Toestand 12, diagram van de bodemstroom en bimsbeweging.



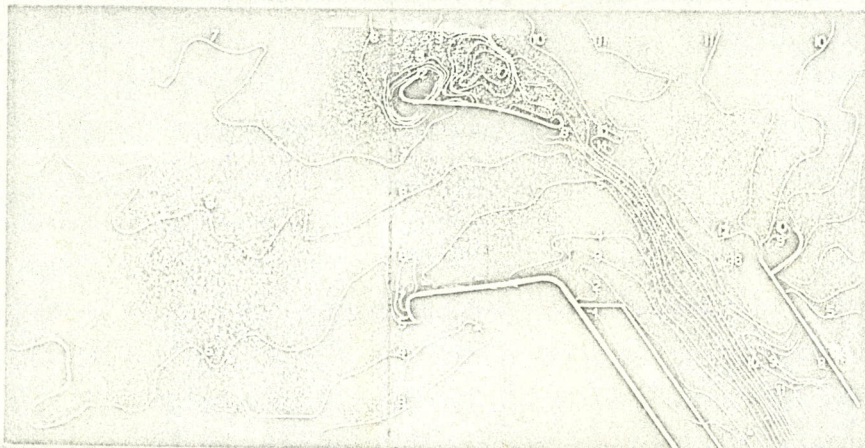
98. Toestand 12, bims transport-diagram.



99. Overzicht van het model in toestand 15.

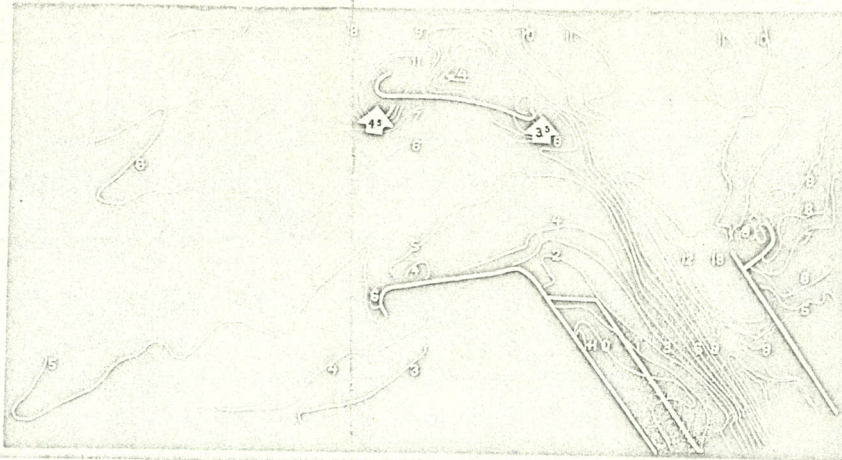


100. Toestand 15, oppervlaktestroom.

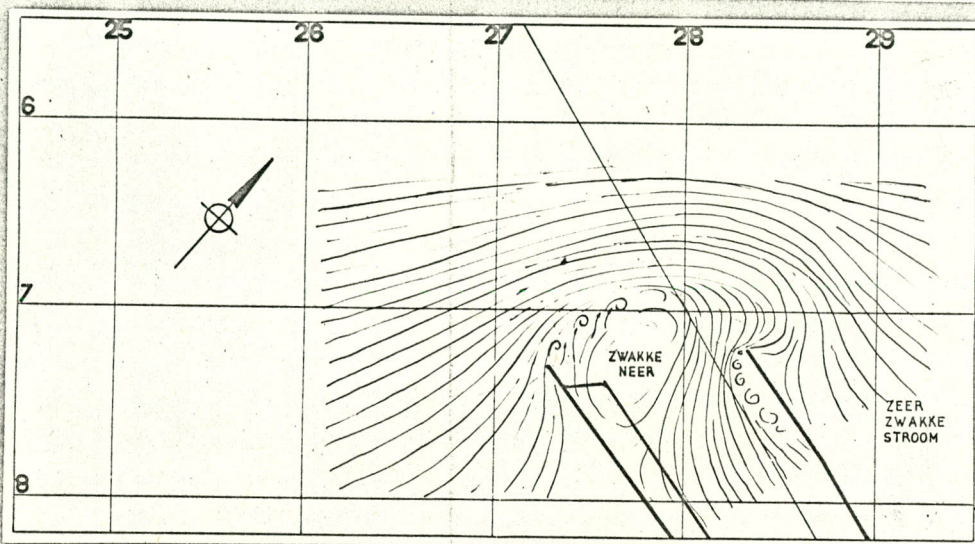


101. Toestand 15. Mukolplaat na 5 uur stroomen met golven en zonder bimsaanvoer (A), uitgaande van toestand 14 C

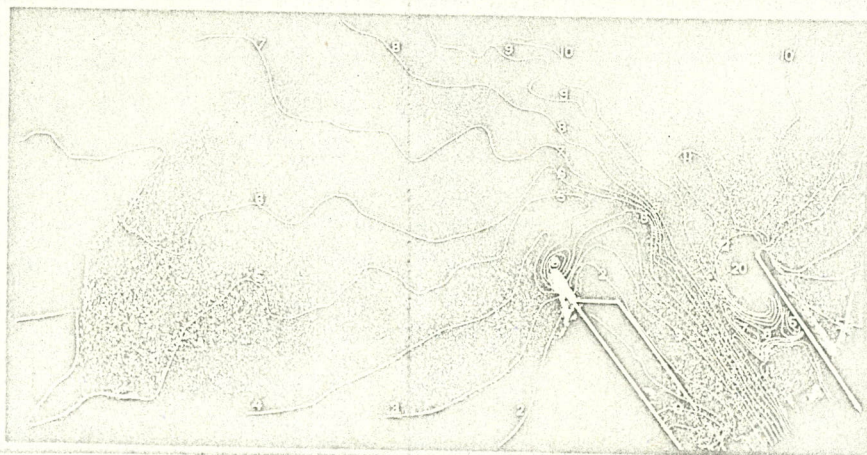




102. Toestand 15. Mukolplaat na 5 + 5 uur stroomen en aanvoer van 8 liter bims (B).



103. Toestand -1, stroombeeld.



104. Toestand -1. Mukolplaat na stroomen met golven (4 uur).