

表 平均透水性 (kt) の算出 (1)

流域 1					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	840.0	840.0	840.0	0.0	0.0
1	886.0	865.0	855.0	31.0	10.0
2	895.0	890.0	870.0	25.0	20.0
3	910.0	905.0	883.0	27.0	22.0
4	915.0	917.0	895.0	20.0	22.0
5	937.0	940.0	908.0	29.0	32.0
6	955.0	945.0	920.0	35.0	25.0
7	970.0	935.0	930.0	40.0	5.0
8	992.0	950.0	942.0	50.0	8.0
9	998.0	990.0	960.0	38.0	30.0
10	1040.0	1018.0	975.0	65.0	43.0
11	1070.0	1042.0	992.0	78.0	50.0
12	1080.0	1065.0	1020.0	60.0	45.0
13	1093.0	1085.0	1048.0	45.0	37.0
14	1110.0	1115.0	1090.0	20.0	25.0
15	1145.0	1145.0	1145.0	0.0	0.0
平均比高			35.2	23.4	

- ・ 流域面積 (A) : 0.297 km<sup>2</sup>
- ・ 流路長 (L) : 1510 m
- ・ 平均比高 (H) : (左比高+右比高)/2 = 29 m
- ・ 平均流域幅(2R) : A/L = 197 m

・ kt :  $R^2/6H$  = 56

流域 3					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	820.0	820.0	820.0	0.0	0.0
1	875.0	880.0	838.0	37.0	42.0
2	885.0	920.0	858.0	27.0	62.0
3	920.0	960.0	870.0	50.0	90.0
4	945.0	980.0	890.0	55.0	90.0
5	975.0	985.0	910.0	65.0	75.0
6	1005.0	1005.0	935.0	70.0	70.0
7	1045.0	1020.0	970.0	75.0	50.0
8	1065.0	1042.0	1010.0	55.0	32.0
9	1075.0	1085.0	1070.0	5.0	15.0
10	1115.0	1115.0	1115.0	0.0	0.0
11					
12					
13					
14					
15					
平均比高			39.9	47.8	

- ・ 流域面積 (A) : 0.294 km<sup>2</sup>
- ・ 流路長 (L) : 1130 m
- ・ 平均比高 (H) : (左比高+右比高)/2 = 44 m
- ・ 平均流域幅(2R) : A/L = 260 m

・ kt :  $R^2/6H$  = 64

流域 2					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	820.0	820.0	820.0	0.0	0.0
1	860.0	850.0	840.0	20.0	10.0
2	892.0	890.0	855.0	37.0	35.0
3	910.0	910.0	870.0	40.0	40.0
4	932.0	942.0	892.0	40.0	50.0
5	955.0	970.0	915.0	40.0	55.0
6	975.0	990.0	938.0	37.0	52.0
7	1010.0	995.0	970.0	40.0	25.0
8	1035.0	1040.0	1000.0	35.0	40.0
9	1070.0	1065.0	1030.0	40.0	35.0
10	1085.0	1095.0	1048.0	37.0	47.0
11	1075.0	1105.0	1058.0	17.0	47.0
12	1110.0	1100.0	1075.0	35.0	25.0
13	1150.0	1150.0	1150.0	0.0	0.0
14					
15					
平均比高			29.9	32.9	

- ・ 流域面積 (A) : 0.413 km<sup>2</sup>
- ・ 流路長 (L) : 1410 m
- ・ 平均比高 (H) : (左比高+右比高)/2 = 31 m
- ・ 平均流域幅(2R) : A/L = 293 m

・ kt :  $R^2/6H$  = 115

流域 4					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	880.0	880.0	880.0	0.0	0.0
1	925.0	1015.0	892.0	33.0	123.0
2	953.0	1040.0	902.0	51.0	138.0
3	965.0	1070.0	916.0	49.0	154.0
4	978.0	1072.0	927.0	51.0	145.0
5	992.0	1100.0	940.0	52.0	160.0
6	1015.0	1110.0	950.0	65.0	160.0
7	1060.0	1110.0	966.0	94.0	144.0
8	1075.0	1140.0	978.0	97.0	162.0
9	1080.0	1152.0	990.0	90.0	162.0
10	1075.0	1175.0	1000.0	75.0	175.0
11	1070.0	1181.0	1015.0	55.0	166.0
12	1100.0	1150.0	1028.0	72.0	122.0
13	1105.0	1138.0	1050.0	55.0	88.0
14	1120.0	1170.0	1065.0	55.0	105.0
15	1145.0	1160.0	1080.0	65.0	80.0
16	1145.0	1155.0	1092.0	53.0	63.0
17	1167.0	1167.0	1167.0	0.0	0.0
18					
平均比高			56.2	119.3	

- ・ 流域面積 (A) : 0.981 km<sup>2</sup>
- ・ 流路長 (L) : 1790 m
- ・ 平均比高 (H) : (左比高+右比高)/2 = 88 m
- ・ 平均流域幅(2R) : A/L = 548 m

・ kt :  $R^2/6H$  = 142

表 平均透水性 (kt) の算出 (2)

流域 5					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	895.0	895.0	895.0	0.0	0.0
1	960.0	910.0	907.0	53.0	3.0
2	990.0	950.0	917.0	73.0	33.0
3	1005.0	964.0	930.0	75.0	34.0
4	1027.0	985.0	945.0	82.0	40.0
5	1070.0	998.0	958.0	112.0	40.0
6	1075.0	1015.0	973.0	102.0	42.0
7	1095.0	1044.0	988.0	107.0	56.0
8	1110.0	1065.0	1008.0	102.0	57.0
9	1105.0	1082.0	1030.0	75.0	52.0
10	1118.0	1102.0	1046.0	72.0	56.0
11	1130.0	1120.0	1075.0	55.0	45.0
12	1150.0	1160.0	1122.0	28.0	38.0
13	1220.0	1220.0	1220.0	0.0	0.0
14					
15					
平均比高				66.9	35.4

- ・ 流域面積 (A) : 0.484 km<sup>2</sup>
- ・ 流路長 (L) : 1380 m
- ・ 平均比高 (H) : (左比高+右比高)/2 = 51 m
- ・ 平均流域幅(2R) : A/L = 351 m

・ kt :  $R^2/6H$  = 101

流域 7					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	810.0	810.0	810.0	0.0	0.0
1	875.0	865.0	845.0	30.0	20.0
2	900.0	935.0	860.0	40.0	75.0
3	932.0	940.0	870.0	62.0	70.0
4	963.0	990.0	888.0	75.0	102.0
5	1020.0	1020.0	906.0	114.0	114.0
6	1070.0	1087.0	920.0	150.0	167.0
7	1120.0	1103.0	935.0	185.0	168.0
8	1125.0	1118.0	960.0	165.0	158.0
9	1170.0	1110.0	985.0	185.0	125.0
10	1165.0	1134.0	1006.0	159.0	128.0
11	1180.0	1150.0	1044.0	136.0	106.0
12	1195.0	1196.0	1100.0	95.0	96.0
13	1263.0	1263.0	1263.0	0.0	0.0
14					
15					
平均比高				99.7	94.9

- ・ 流域面積 (A) : 0.839 km<sup>2</sup>
- ・ 流路長 (L) : 1435 m
- ・ 平均比高 (H) : (左比高+右比高)/2 = 97 m
- ・ 平均流域幅(2R) : A/L = 584 m

・ kt :  $R^2/6H$  = 147

流域 6					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	790.0	790.0	790.0	0.0	0.0
1	845.0	850.0	810.0	35.0	40.0
2	880.0	890.0	825.0	55.0	65.0
3	910.0	955.0	850.0	60.0	105.0
4	905.0	965.0	870.0	35.0	95.0
5	915.0	980.0	895.0	20.0	85.0
6	935.0	1010.0	920.0	15.0	90.0
7	950.0	1022.0	947.0	3.0	75.0
8	1002.0	1030.0	1000.0	2.0	30.0
9	1085.0	1085.0	1085.0	0.0	0.0
10					
11					
12					
13					
14					
15					
平均比高				22.5	58.5

- ・ 流域面積 (A) : 0.260 km<sup>2</sup>
- ・ 流路長 (L) : 1070 m
- ・ 平均比高 (H) : (左比高+右比高)/2 = 41 m
- ・ 平均流域幅(2R) : A/L = 243 m

・ kt :  $R^2/6H$  = 60

流域 8					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	820.0	820.0	820.0	0.0	0.0
1	900.0	880.0	850.0	50.0	30.0
2	940.0	940.0	878.0	62.0	62.0
3	1000.0	950.0	925.0	75.0	25.0
4	1005.0	985.0	940.0	65.0	45.0
5	1045.0	1030.0	982.0	63.0	48.0
6	1075.0	1060.0	1045.0	30.0	15.0
7	1120.0	1120.0	1120.0	0.0	0.0
8					
9					
10					
11					
12					
13					
14					
15					
平均比高				43.1	28.1

- ・ 流域面積 (A) : 0.136 km<sup>2</sup>
- ・ 流路長 (L) : 735 m
- ・ 平均比高 (H) : (左比高+右比高)/2 = 36 m
- ・ 平均流域幅(2R) : A/L = 185 m

・ kt :  $R^2/6H$  = 40

表 平均透水性 (kt) の算出 (3)

流域 9					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	820.0	820.0	820.0	0.0	0.0
1	926.0	880.0	835.0	91.0	45.0
2	950.0	910.0	848.0	102.0	62.0
3	990.0	980.0	860.0	130.0	120.0
4	1044.0	1005.0	876.0	168.0	129.0
5	1030.0	1045.0	887.0	143.0	158.0
6	1040.0	1053.0	902.0	138.0	151.0
7	1060.0	1070.0	915.0	145.0	155.0
8	1050.0	1120.0	930.0	120.0	190.0
9	1080.0	1130.0	940.0	140.0	190.0
10	1065.0	1154.0	960.0	105.0	194.0
11	1066.0	1170.0	972.0	94.0	198.0
12	1083.0	1210.0	985.0	98.0	225.0
13	1099.0	1220.0	1010.0	89.0	210.0
14	1112.0	1175.0	1020.0	92.0	155.0
15	1116.0	1165.0	1037.0	79.0	128.0
16	1138.0	1170.0	1058.0	80.0	112.0
17	1170.0	1180.0	1085.0	85.0	95.0
18	1220.0	1184.0	1090.0	130.0	94.0
19	1223.0	1220.0	1112.0	111.0	108.0
20	1250.0	1270.0	1140.0	110.0	130.0
21	1310.0	1245.0	1170.0	140.0	75.0
22	1330.0	1270.0	1200.0	130.0	70.0
23	1300.0	1290.0	1260.0	40.0	30.0
24	1375.0	1375.0	1375.0	0.0	0.0
25					
平均比高				102.4	121.0

- ・流域面積 (A) : 1.619 km<sup>2</sup>
- ・流路長 (L) : 2500 m
- ・平均比高 (H) : (左比高+右比高)/2 112 m
- ・平均流域幅(2R) : A/L 648 m
- ・ kt : R<sup>2</sup>/6 H 156

流域 11					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	790.0	790.0	790.0	0.0	0.0
1	820.0	820.0	808.0	12.0	12.0
2	850.0	890.0	820.0	30.0	70.0
3	900.0	910.0	836.0	64.0	74.0
4	950.0	933.0	857.0	93.0	76.0
5	1020.0	955.0	875.0	145.0	80.0
6	1025.0	990.0	895.0	130.0	95.0
7	1040.0	1015.0	918.0	122.0	97.0
8	1060.0	1037.0	945.0	115.0	92.0
9	1073.0	1066.0	986.0	87.0	80.0
10	1102.0	1090.0	1050.0	52.0	40.0
11	1120.0	1135.0	1094.0	26.0	41.0
12	1177.0	1115.0	1110.0	67.0	5.0
13	1181.0	1145.0	1118.0	63.0	27.0
14	1182.0	1145.0	1128.0	54.0	17.0
15	1184.0	1155.0	1138.0	46.0	17.0
16	1186.0	1162.0	1150.0	36.0	12.0
17	1186.0	1172.0	1162.0	24.0	10.0
18	1210.0	1174.0	1172.0	38.0	2.0
19	1205.0	1190.0	1186.0	19.0	4.0
20	1200.0	1200.0	1200.0	0.0	0.0
平均比高				58.2	40.5

- ・流域面積 (A) : 1.067 km<sup>2</sup>
- ・流路長 (L) : 2070 m
- ・平均比高 (H) : (左比高+右比高)/2 49 m
- ・平均流域幅(2R) : A/L 516 m
- ・ kt : R<sup>2</sup>/6 H 226

流域 10					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	880.0	880.0	880.0	0.0	0.0
1	947.0	902.0	900.0	47.0	2.0
2	970.0	945.0	916.0	54.0	29.0
3	995.0	990.0	935.0	60.0	55.0
4	1032.0	1020.0	960.0	72.0	60.0
5	1050.0	1055.0	980.0	70.0	75.0
6	1080.0	1097.0	1000.0	80.0	97.0
7	1085.0	1113.0	1025.0	60.0	88.0
8	1100.0	1133.0	1045.0	55.0	88.0
9	1145.0	1142.0	1090.0	55.0	52.0
10	1170.0	1175.0	1130.0	40.0	45.0
11	1215.0	1200.0	1165.0	50.0	35.0
12	1242.0	1215.0	1200.0	42.0	15.0
13	1252.0	1252.0	1252.0	0.0	0.0
14					
15					
平均比高				48.9	45.8

- ・流域面積 (A) : 0.376 km<sup>2</sup>
- ・流路長 (L) : 1385 m
- ・平均比高 (H) : (左比高+右比高)/2 47 m
- ・平均流域幅(2R) : A/L 271 m

- ・ kt : R<sup>2</sup>/6 H 65

流域 12					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	760.0	760.0	760.0	0.0	0.0
1	808.0	830.0	785.0	23.0	45.0
2	828.0	860.0	797.0	31.0	63.0
3	862.0	880.0	815.0	47.0	65.0
4	893.0	920.0	832.0	61.0	88.0
5	925.0	930.0	850.0	75.0	80.0
6	960.0	970.0	870.0	90.0	100.0
7	983.0	992.0	894.0	89.0	98.0
8	1000.0	1022.0	928.0	72.0	94.0
9	1012.0	1022.0	960.0	52.0	62.0
10	1030.0	1032.0	1000.0	30.0	32.0
11	1070.0	1070.0	1070.0	0.0	0.0
12					
13					
14					
15					
平均比高				47.5	60.6

- ・流域面積 (A) : 0.420 km<sup>2</sup>
- ・流路長 (L) : 1205 m
- ・平均比高 (H) : (左比高+右比高)/2 54 m
- ・平均流域幅(2R) : A/L 349 m

- ・ kt : R<sup>2</sup>/6 H 94

表 平均透水性 (kt) の算出 (4)

流域 13					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	760.0	760.0	760.0	0.0	0.0
1	780.0	815.0	775.0	5.0	40.0
2	790.0	855.0	788.0	2.0	67.0
3	830.0	885.0	803.0	27.0	82.0
4	850.0	895.0	813.0	37.0	82.0
5	875.0	915.0	826.0	49.0	89.0
6	920.0	955.0	840.0	80.0	115.0
7	975.0	974.0	848.0	127.0	126.0
8	965.0	940.0	864.0	101.0	76.0
9	980.0	982.0	878.0	102.0	104.0
10	992.0	1002.0	894.0	98.0	108.0
11	990.0	1078.0	908.0	82.0	170.0
12	1000.0	1105.0	917.0	83.0	188.0
13	1030.0	1145.0	935.0	95.0	210.0
14	1060.0	1100.0	960.0	100.0	140.0
15	1070.0	1130.0	980.0	90.0	150.0
16	1088.0	1170.0	996.0	92.0	174.0
17	1170.0	1080.0	1010.0	160.0	70.0
18	1145.0	1060.0	1040.0	105.0	20.0
19	1158.0	1090.0	1065.0	93.0	25.0
20	1145.0	1140.0	1100.0	45.0	40.0
21	1180.0	1180.0	1180.0	0.0	0.0
22					
23					
24					
25					
平均比高				71.5	94.4

- ・ 流域面積 (A) : 1.597 km<sup>2</sup>
- ・ 流路長 (L) : 2290 m
- ・ 平均比高 (H) : (左比高+右比高)/2 83 m
- ・ 平均流域幅(2R) : A/L 697 m
- ・ kt : R<sup>2</sup>/6 H 244

流域 15					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	870.0	870.0	870.0	0.0	0.0
1	945.0	900.0	890.0	55.0	10.0
2	975.0	940.0	930.0	45.0	10.0
3	990.0	975.0	960.0	30.0	15.0
4	1012.0	1015.0	990.0	22.0	25.0
5	1030.0	1040.0	1007.0	23.0	33.0
6	1035.0	1050.0	1016.0	19.0	34.0
7	1090.0	1055.0	1023.0	67.0	32.0
8	1100.0	1090.0	1045.0	55.0	45.0
9	1090.0	1100.0	1085.0	5.0	15.0
10	1135.0	1115.0	1103.0	32.0	12.0
11	1172.0	1162.0	1115.0	57.0	47.0
12	1150.0	1170.0	1127.0	23.0	43.0
13	1170.0	1165.0	1145.0	25.0	20.0
14	1190.0	1190.0	1190.0	0.0	0.0
15					
平均比高				30.5	22.7

- ・ 流域面積 (A) : 0.347 km<sup>2</sup>
- ・ 流路長 (L) : 1440 m
- ・ 平均比高 (H) : (左比高+右比高)/2 27 m
- ・ 平均流域幅(2R) : A/L 241 m
- ・ kt : R<sup>2</sup>/6 H 90

流域 14					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	880.0	880.0	880.0	0.0	0.0
1	920.0	970.0	890.0	30.0	80.0
2	950.0	950.0	918.0	32.0	32.0
3	973.0	960.0	935.0	38.0	25.0
4	995.0	990.0	950.0	45.0	40.0
5	1012.0	1012.0	965.0	47.0	47.0
6	1035.0	1038.0	987.0	48.0	51.0
7	1056.0	1055.0	1003.0	53.0	52.0
8	1070.0	1080.0	1025.0	45.0	55.0
9	1086.0	1100.0	1050.0	36.0	50.0
10	1104.0	1110.0	1078.0	26.0	32.0
11	1120.0	1133.0	1108.0	12.0	25.0
12	1156.0	1162.0	1140.0	16.0	22.0
13	1170.0	1170.0	1170.0	0.0	0.0
14					
15					
平均比高				30.6	36.5

- ・ 流域面積 (A) : 0.266 km<sup>2</sup>
- ・ 流路長 (L) : 1360 m
- ・ 平均比高 (H) : (左比高+右比高)/2 34 m
- ・ 平均流域幅(2R) : A/L 196 m

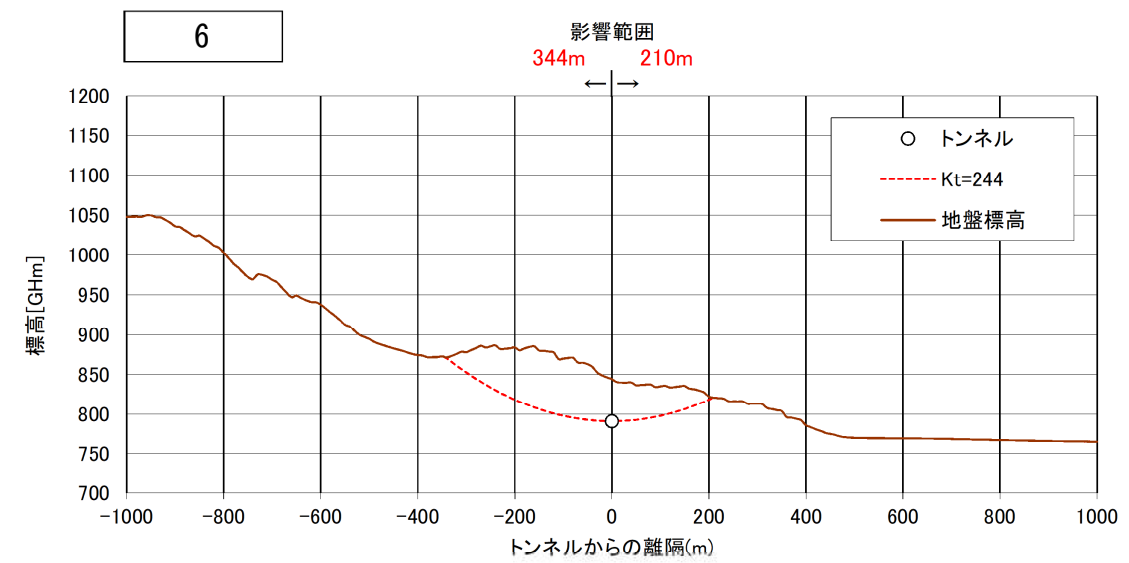
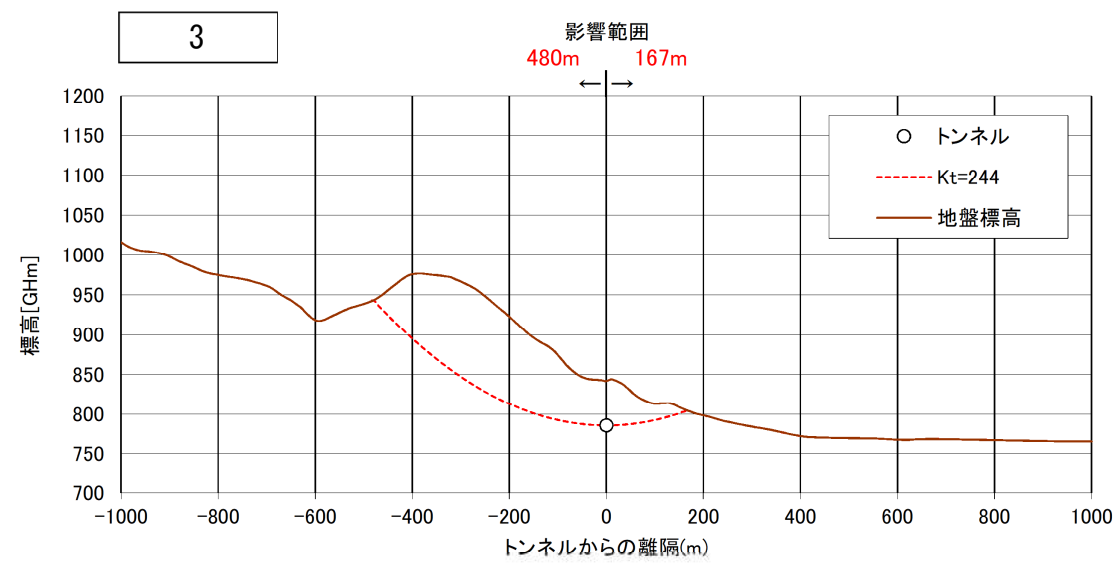
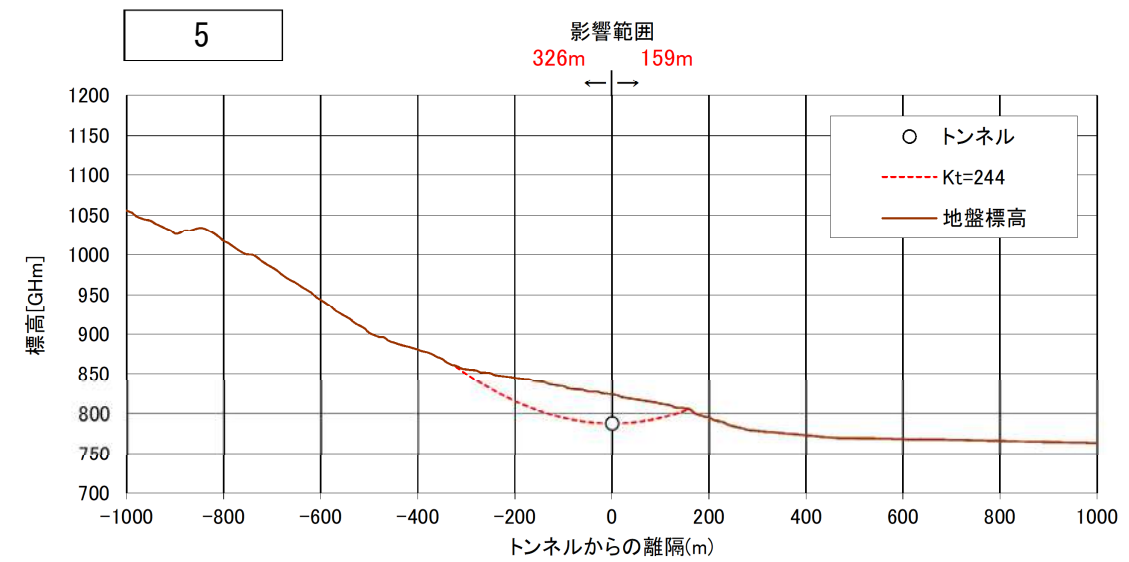
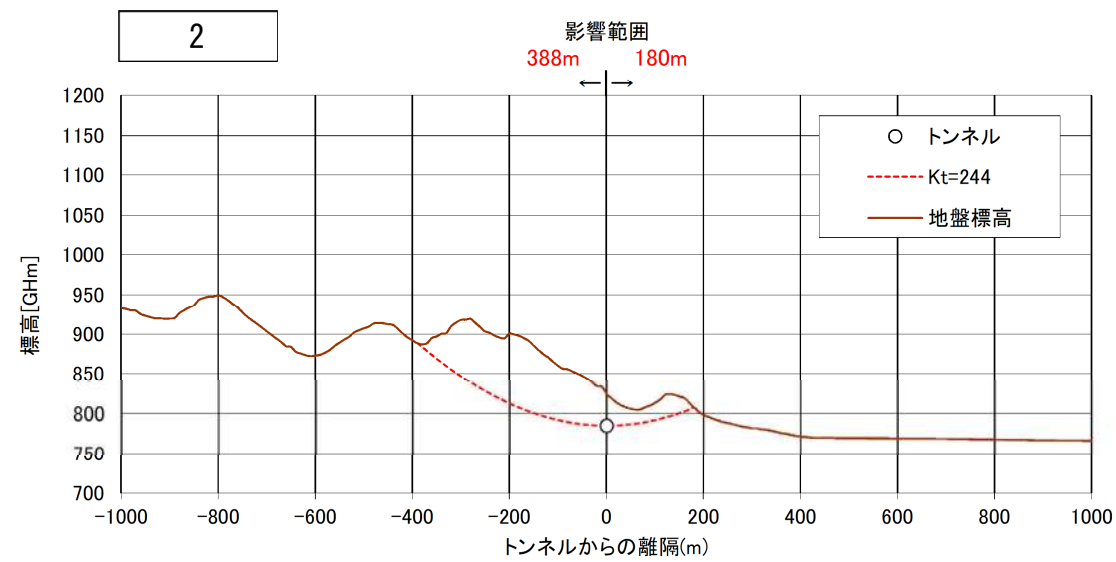
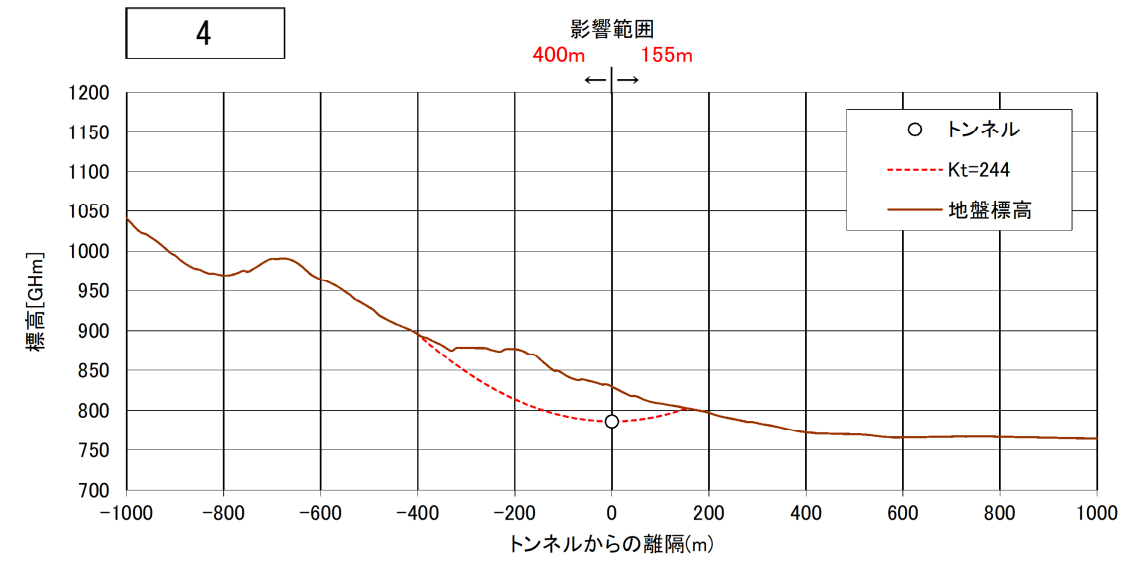
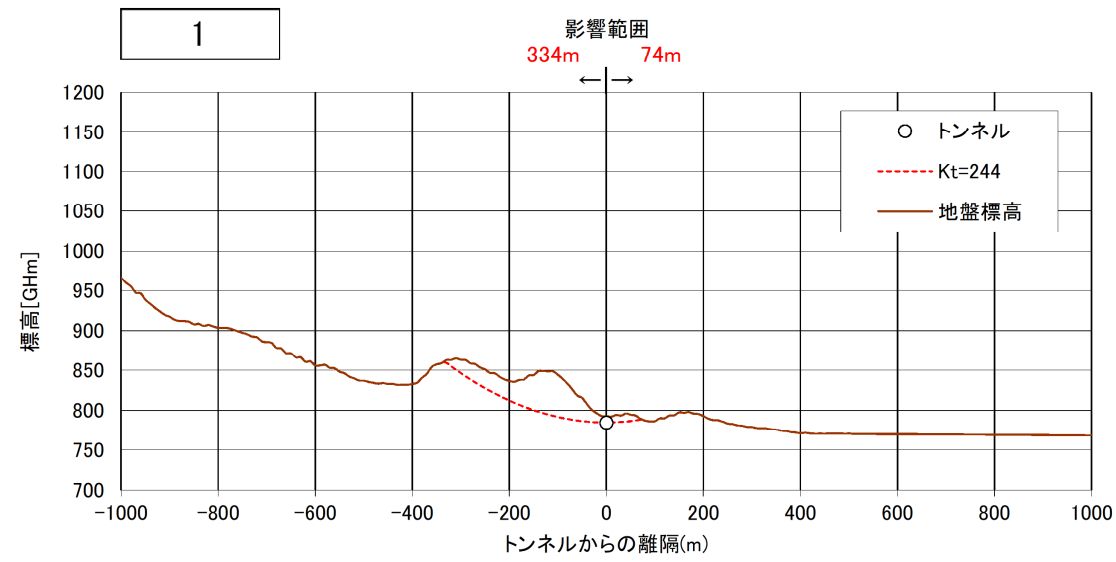
・ kt : R<sup>2</sup>/6 H 47

流域 16					
(単位: m)					
No.	左尾根標高	右尾根標高	河床標高	左比高	右比高
0	845.0	845.0	845.0	0.0	0.0
1	893.0	880.0	858.0	35.0	22.0
2	915.0	900.0	876.0	39.0	24.0
3	970.0	920.0	896.0	74.0	24.0
4	1008.0	972.0	910.0	98.0	62.0
5	1035.0	1005.0	926.0	109.0	79.0
6	1088.0	1018.0	942.0	146.0	76.0
7	1120.0	1040.0	957.0	163.0	83.0
8	1145.0	1038.0	980.0	165.0	58.0
9	1160.0	1077.0	1008.0	152.0	69.0
10	1154.0	1100.0	1030.0	124.0	70.0
11	1145.0	1110.0	1055.0	90.0	55.0
12	1155.0	1145.0	1077.0	78.0	68.0
13	1158.0	1172.0	1100.0	58.0	72.0
14	1172.0	1172.0	1172.0	0.0	0.0
15					
平均比高				88.7	50.8

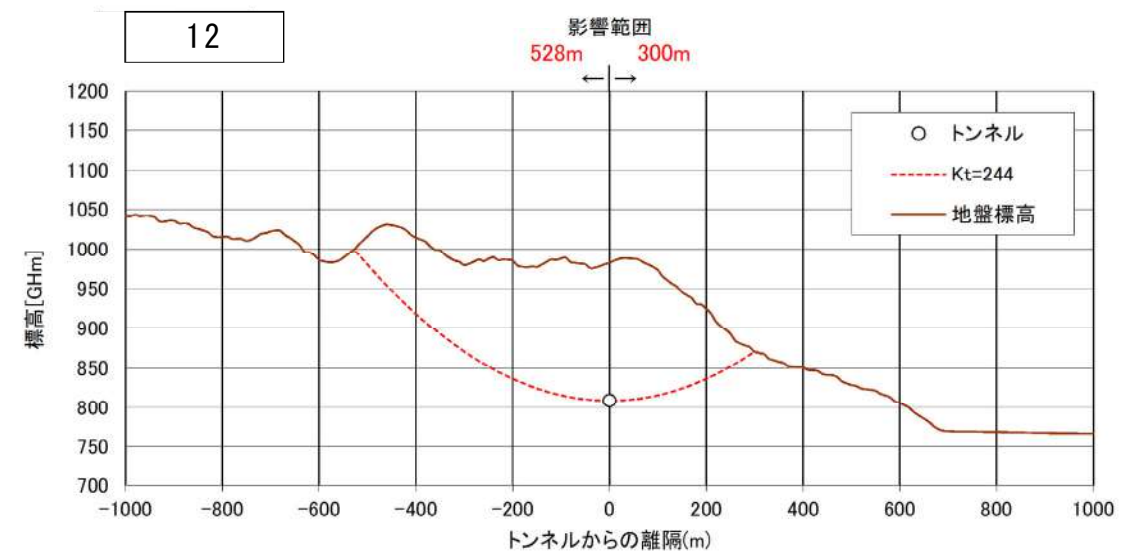
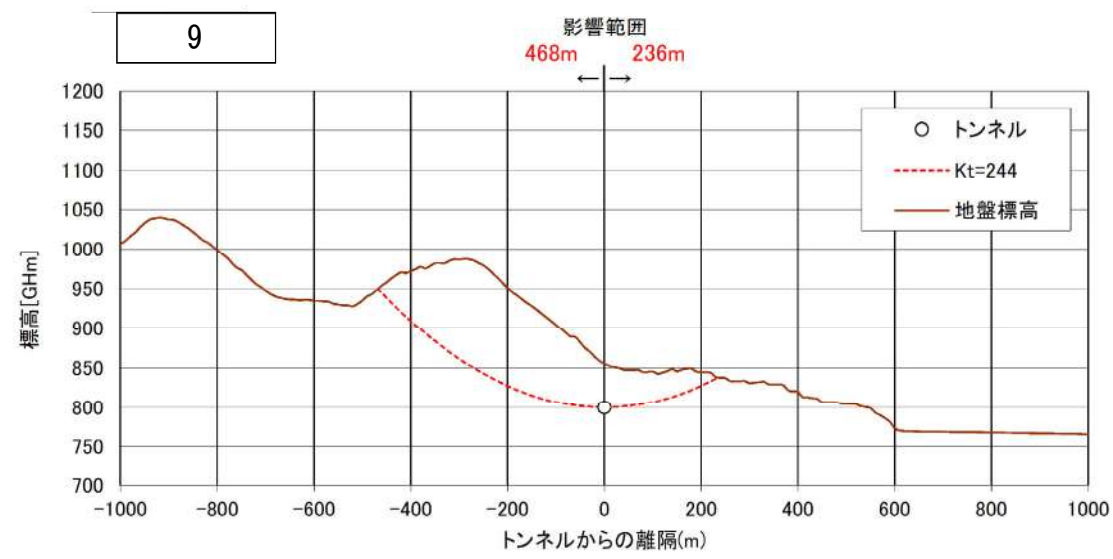
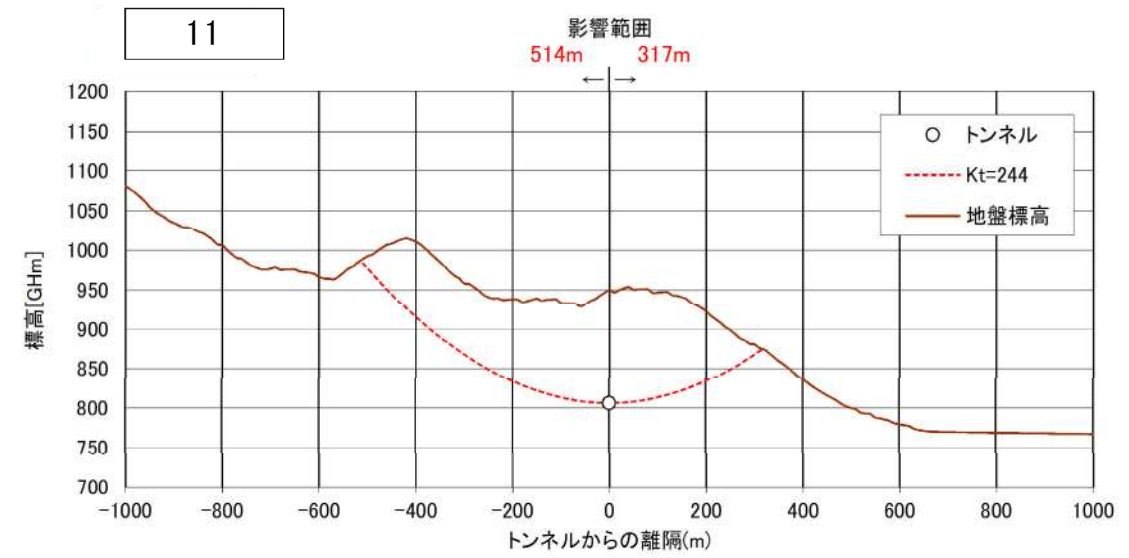
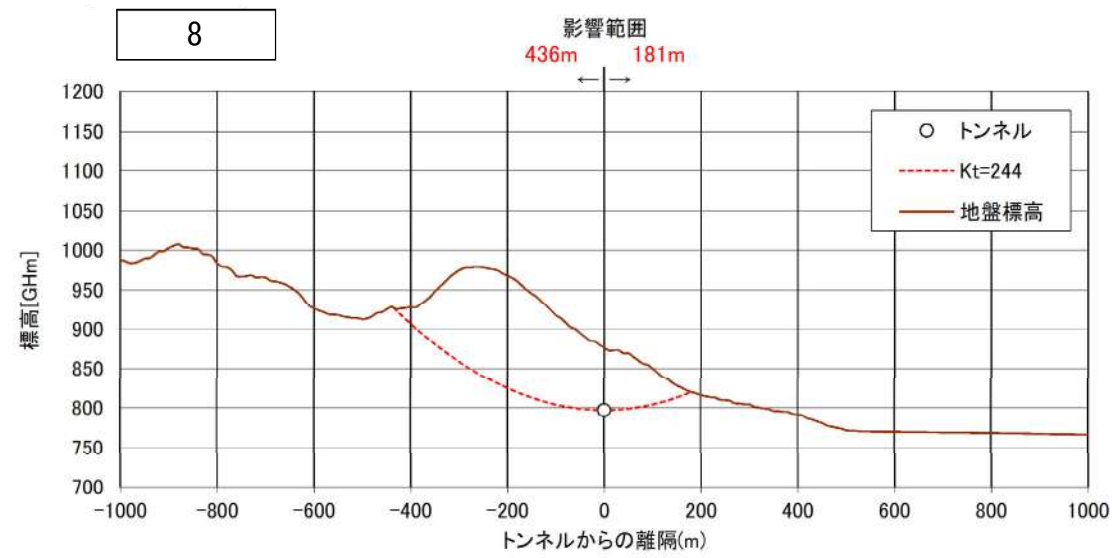
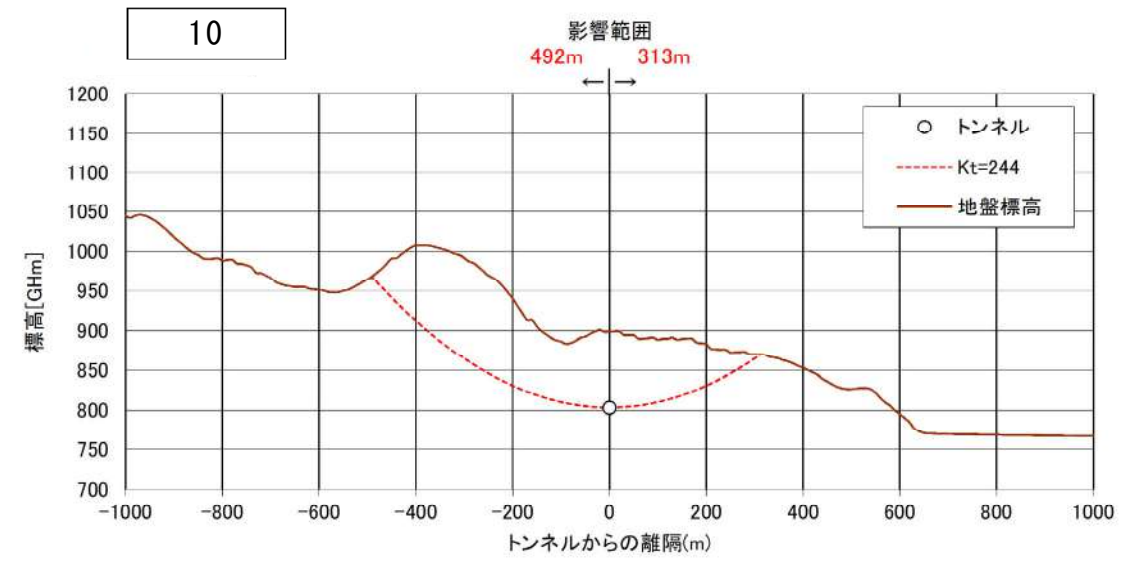
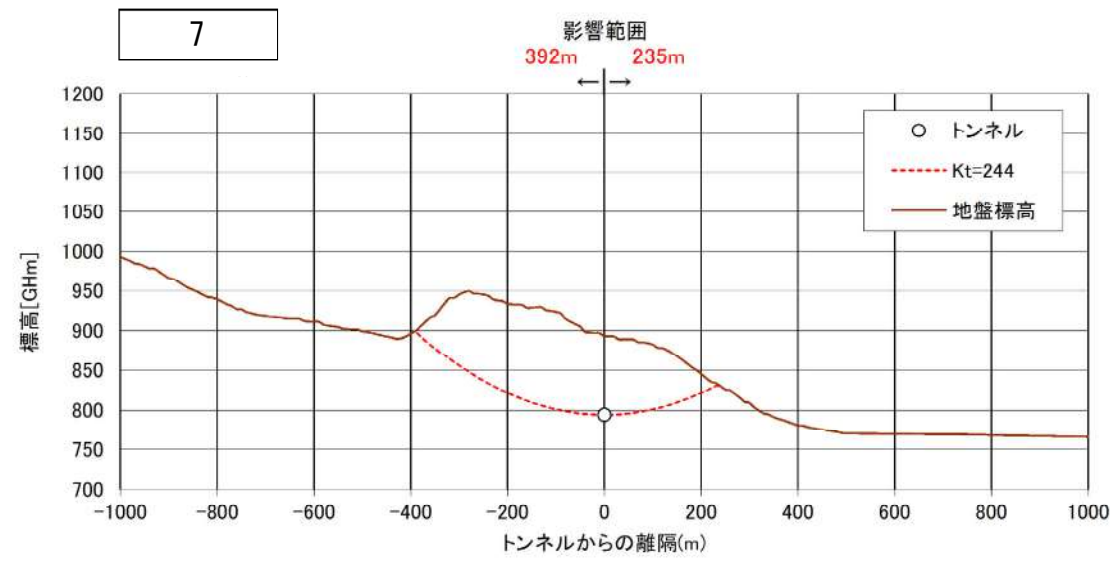
- ・ 流域面積 (A) : 0.586 km<sup>2</sup>
- ・ 流路長 (L) : 1480 m
- ・ 平均比高 (H) : (左比高+右比高)/2 70 m
- ・ 平均流域幅(2R) : A/L 396 m
- ・ kt : R<sup>2</sup>/6 H 93



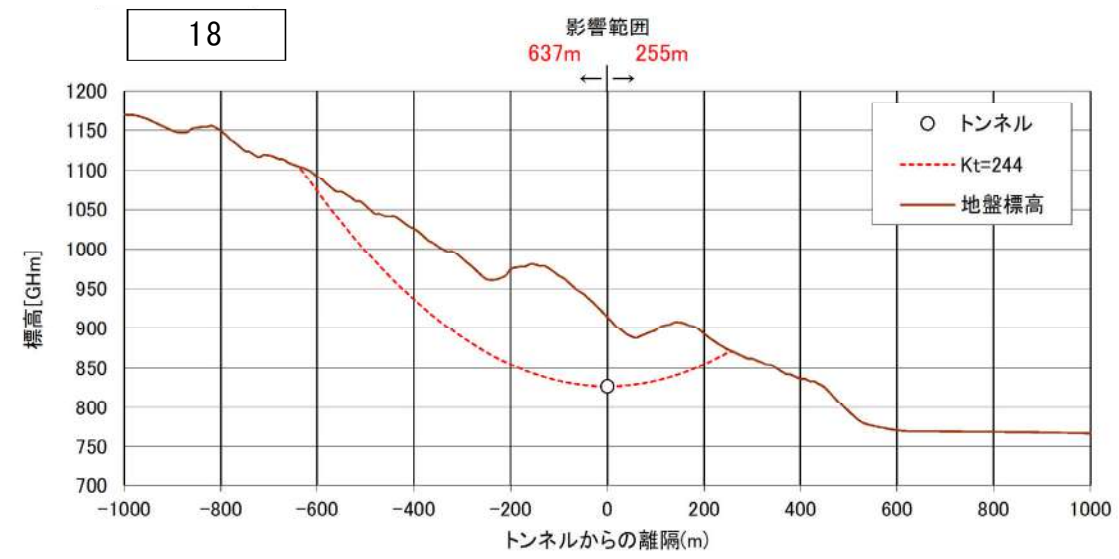
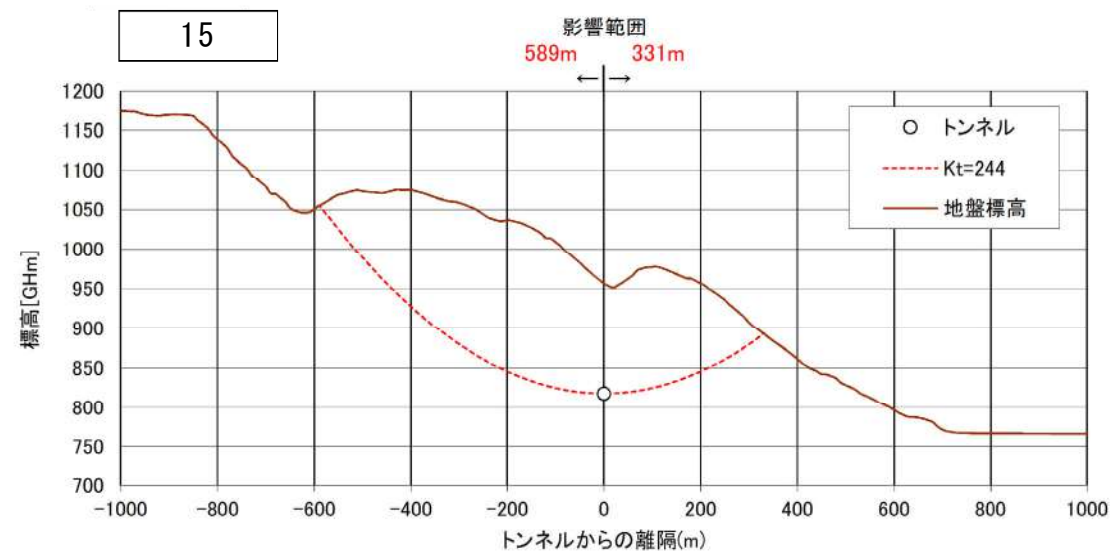
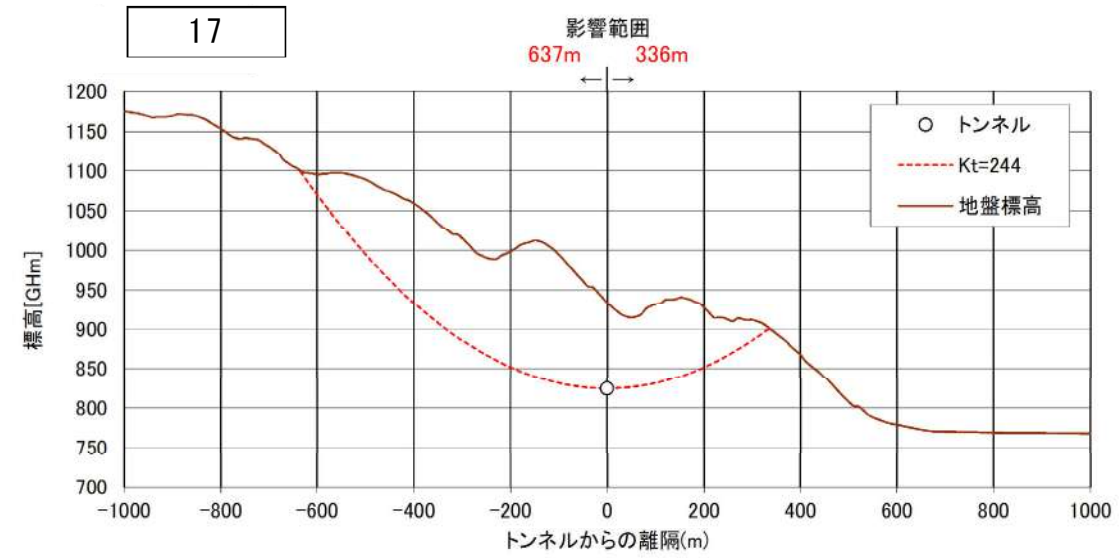
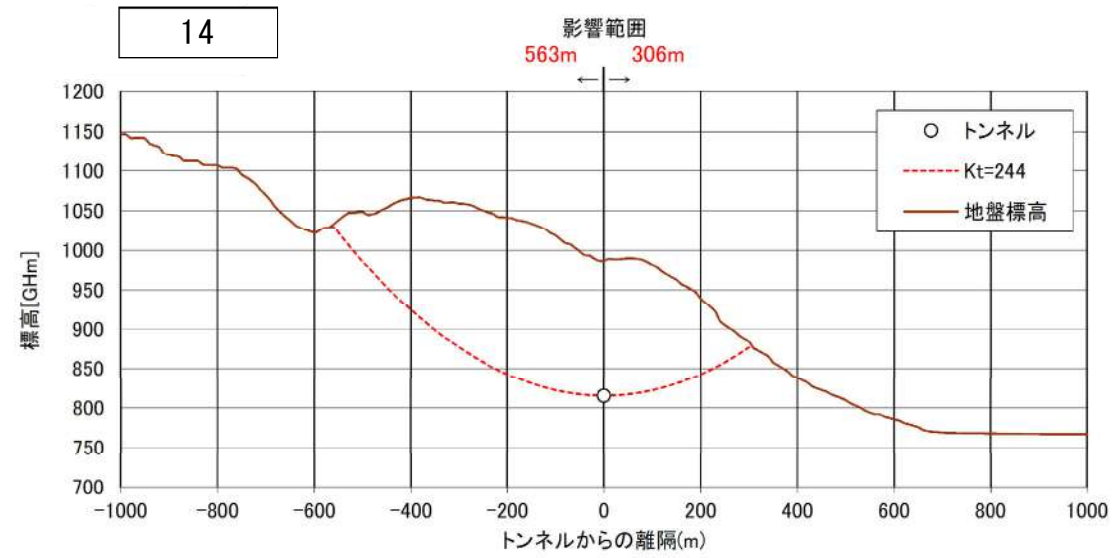
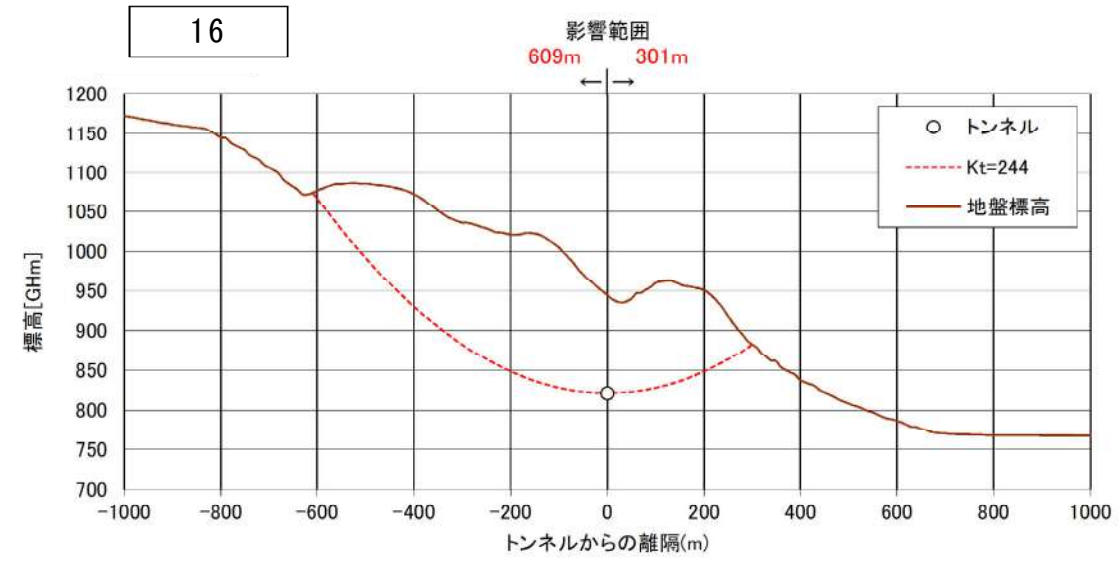
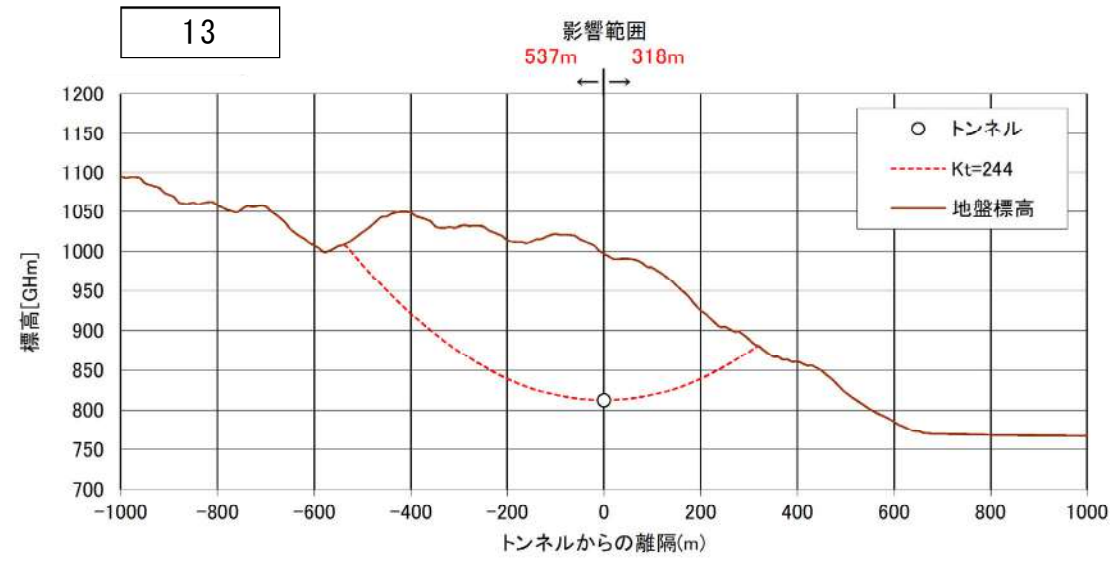
高橋の水文学的手法による集水範囲：上り線（1）



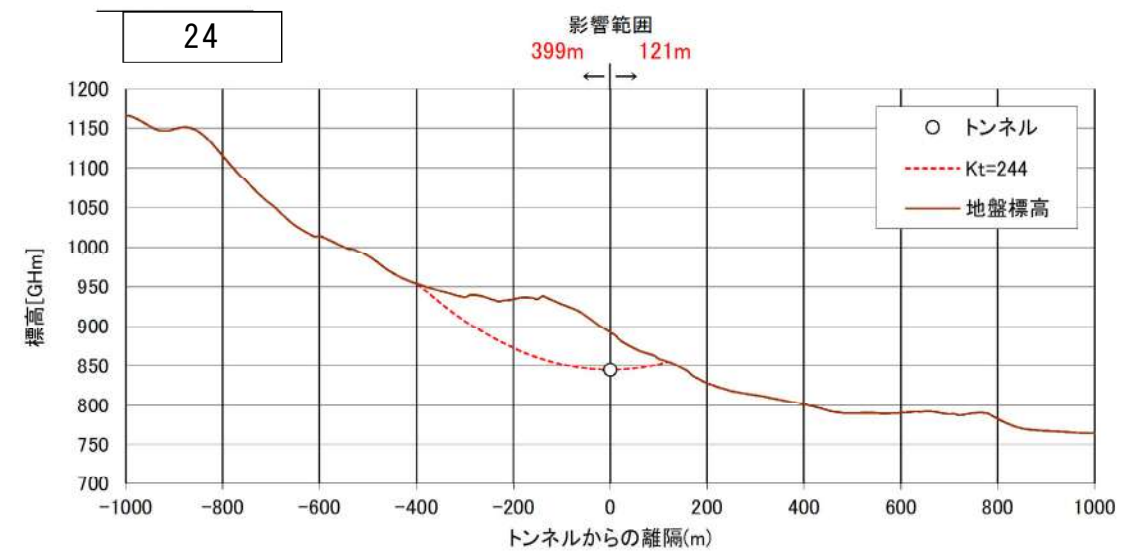
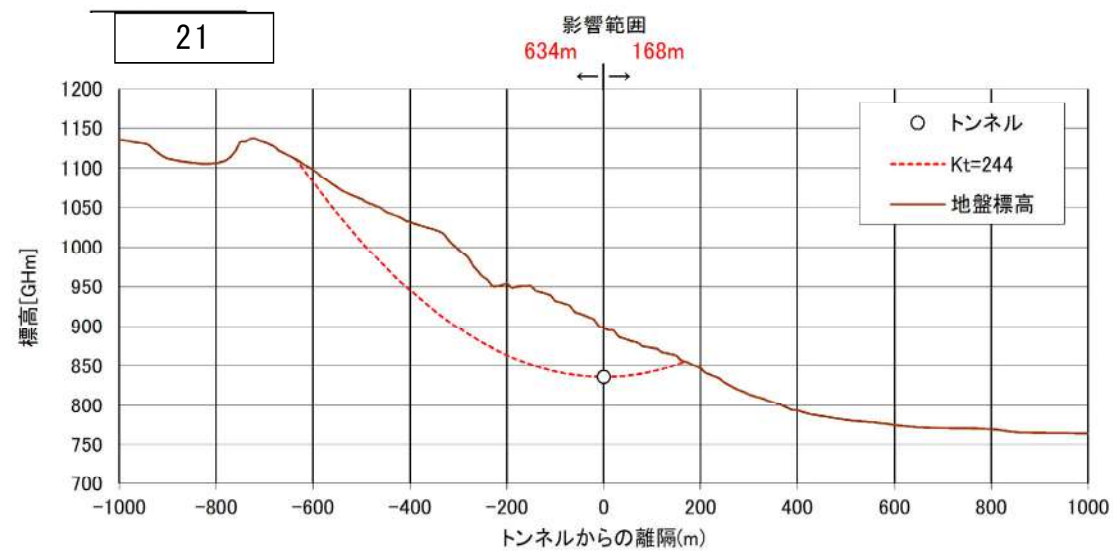
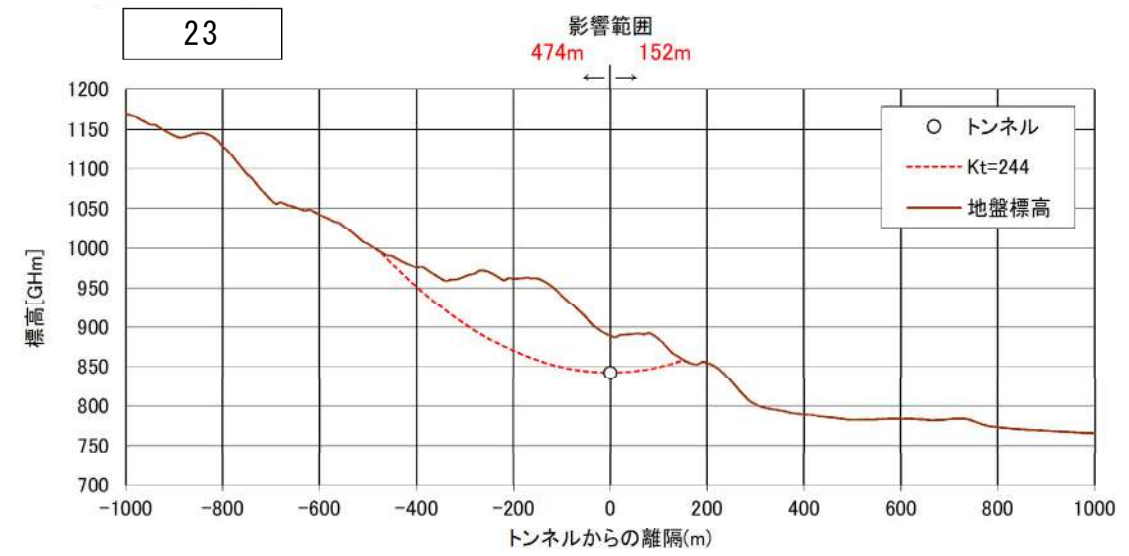
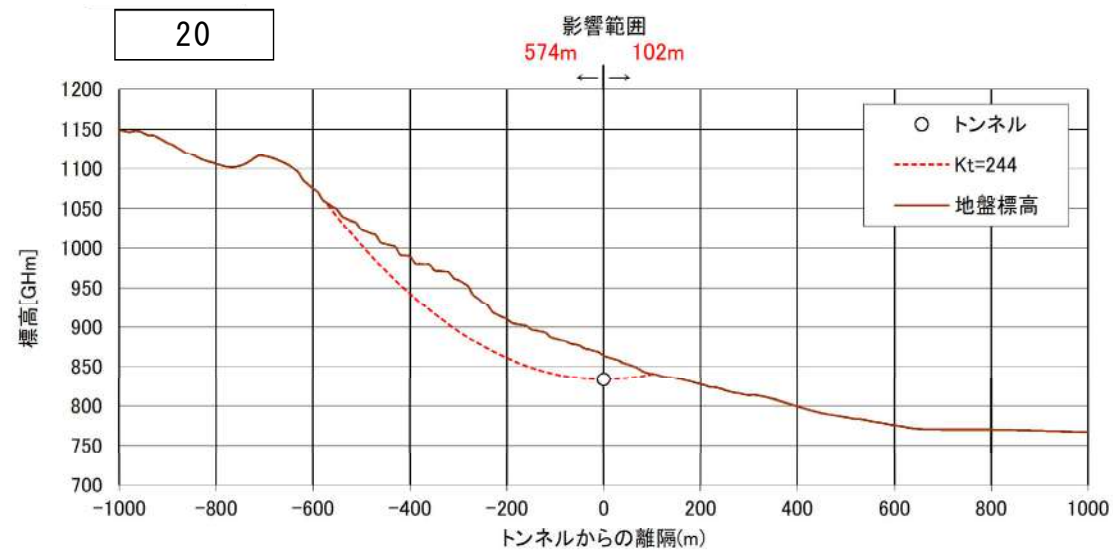
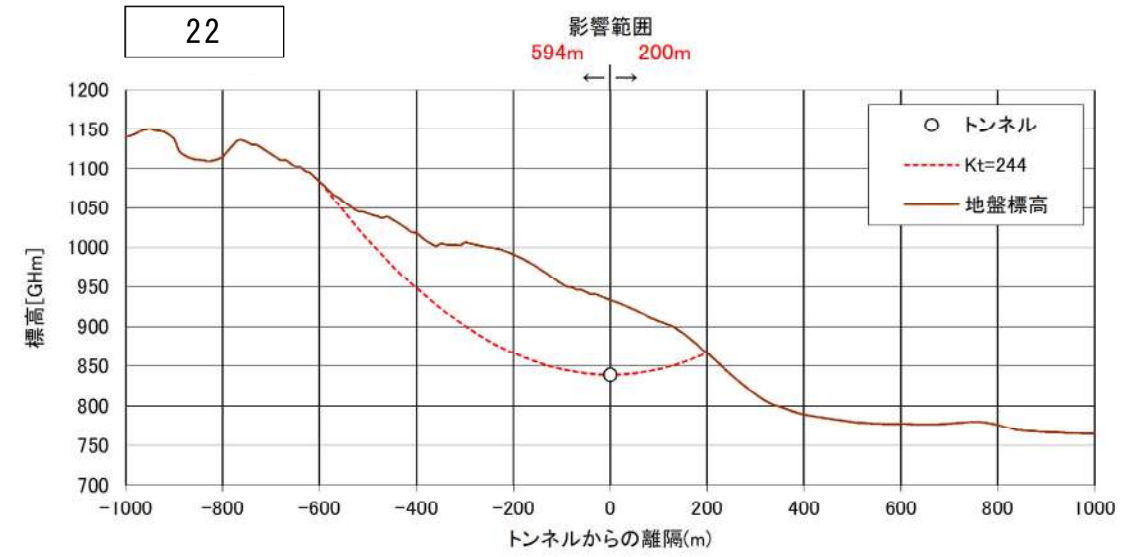
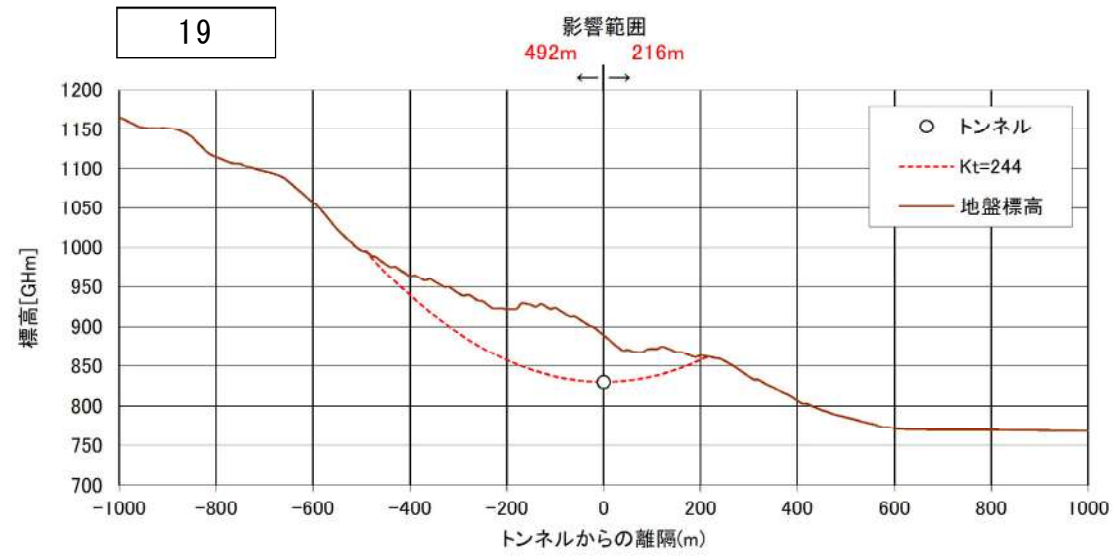
高橋の水文学的手法による集水範囲：上り線（2）



高橋の水文学的手法による集水範囲：上り線（3）

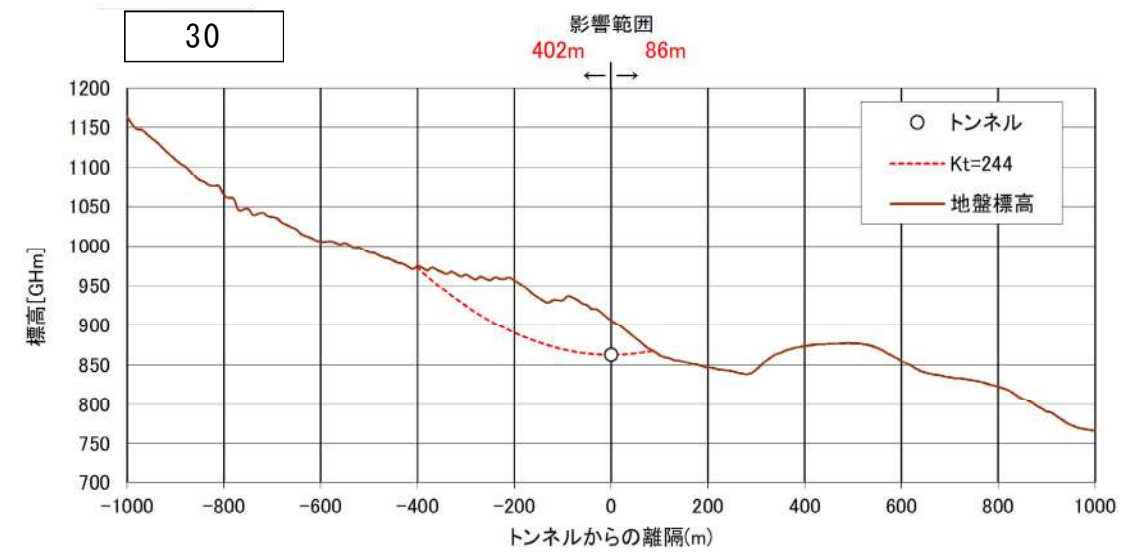
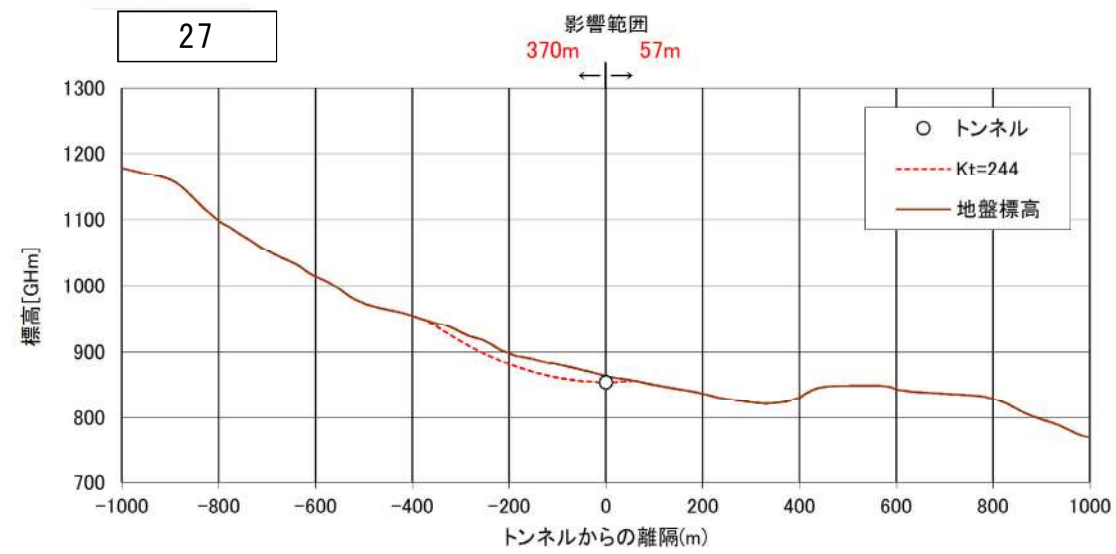
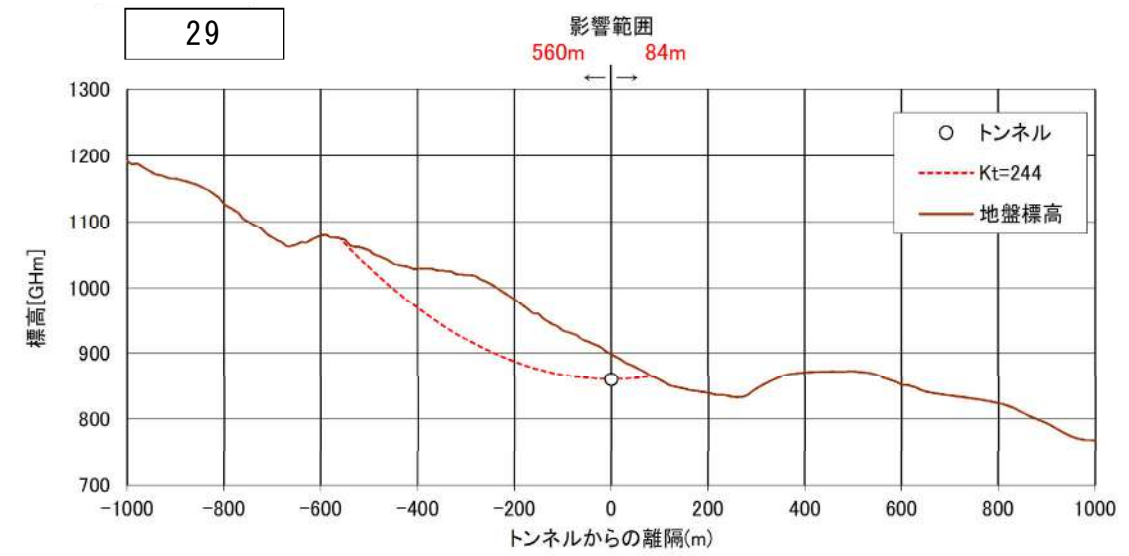
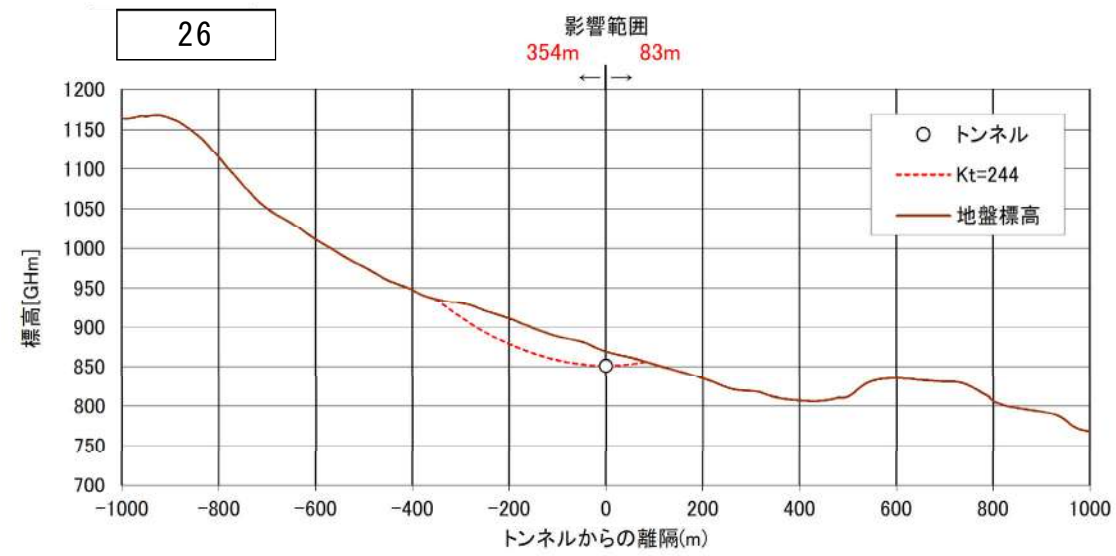
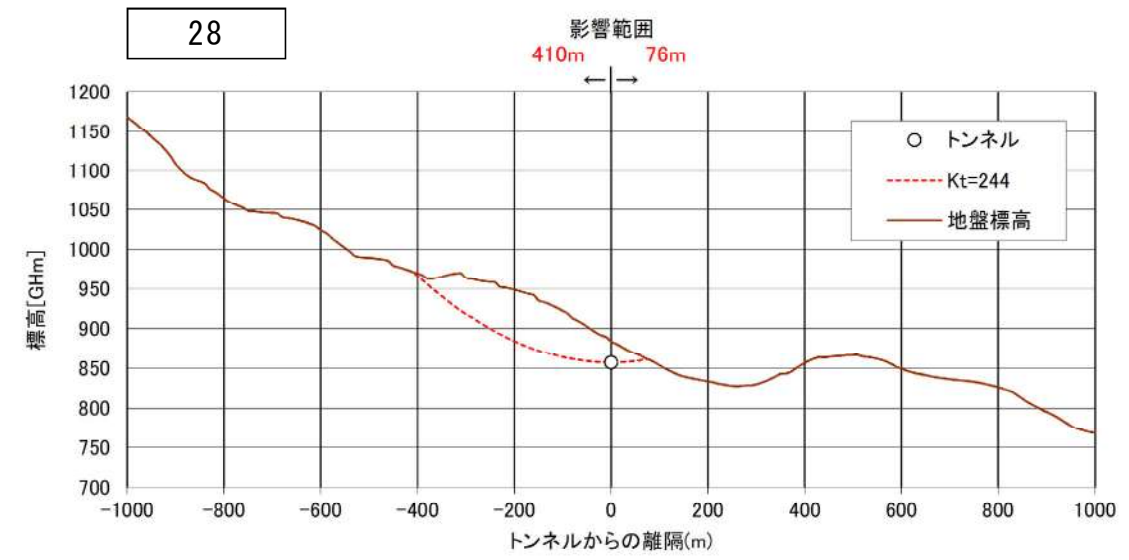
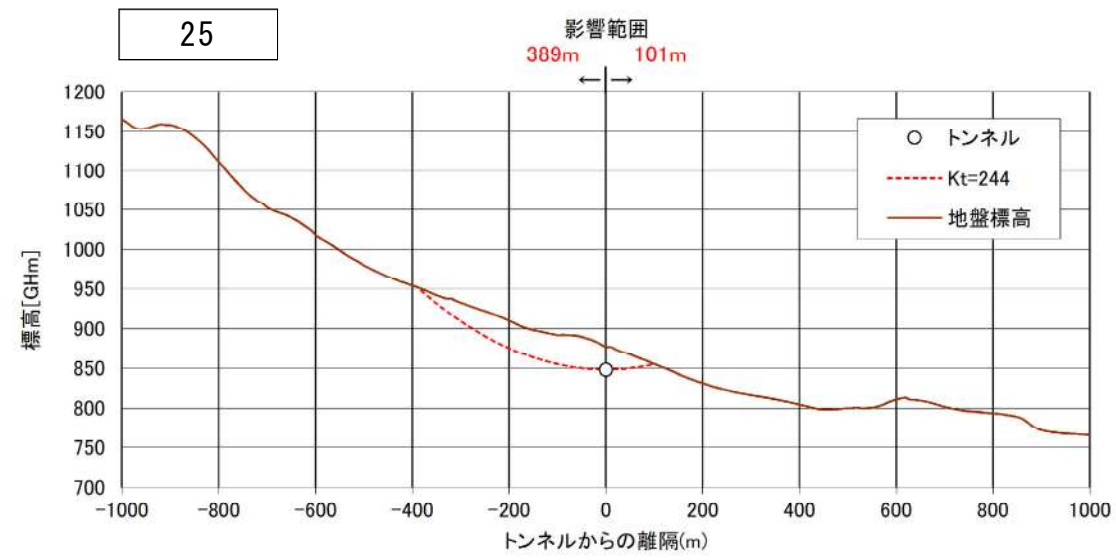


高橋の水文学的手法による集水範囲：上り線（4）

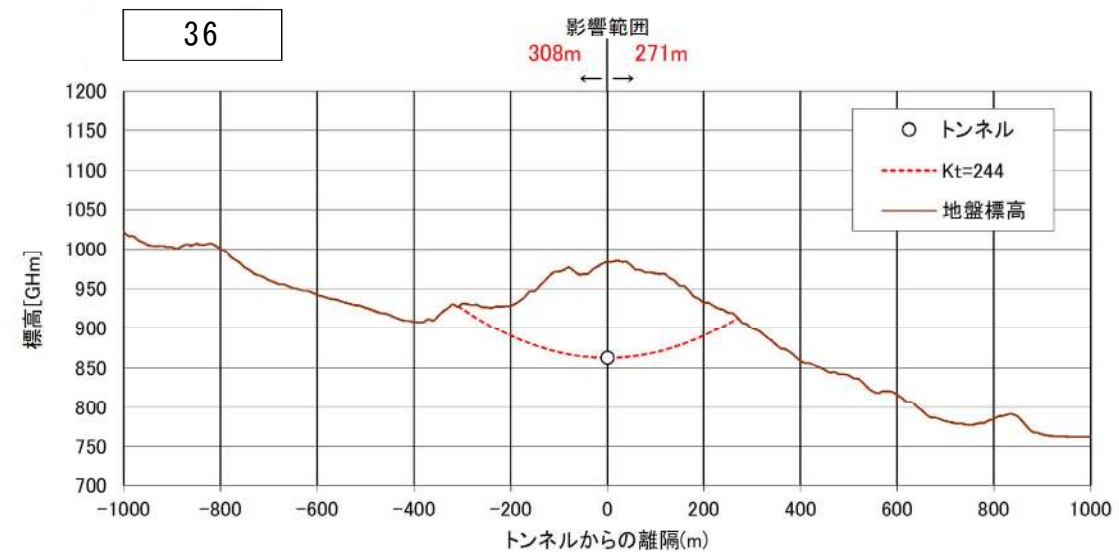
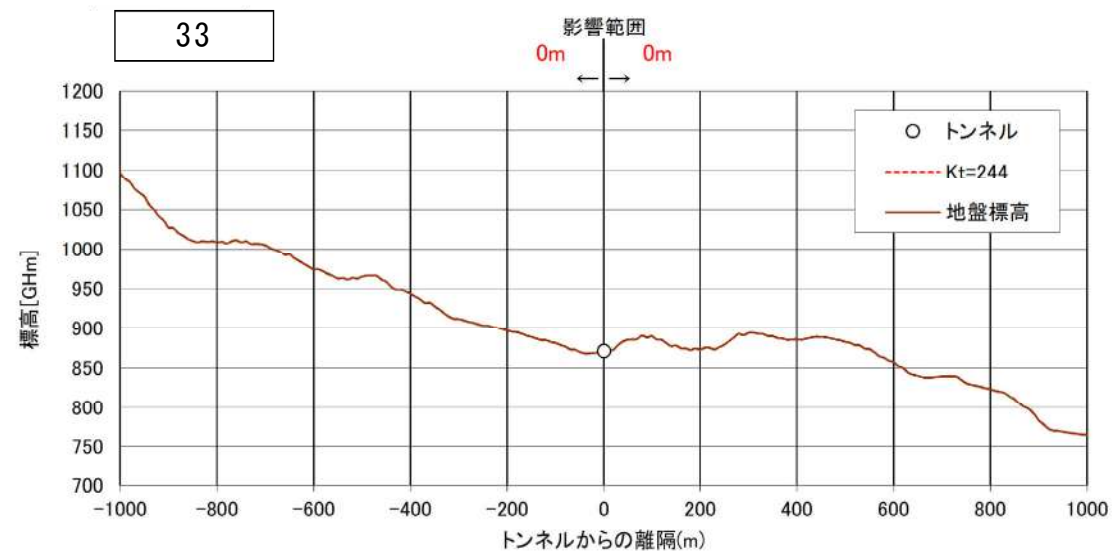
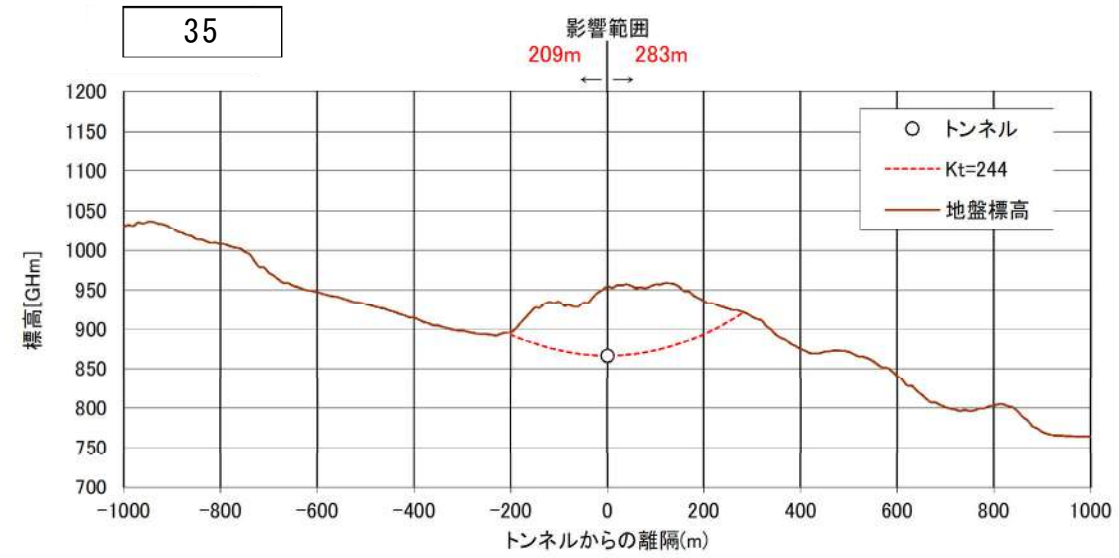
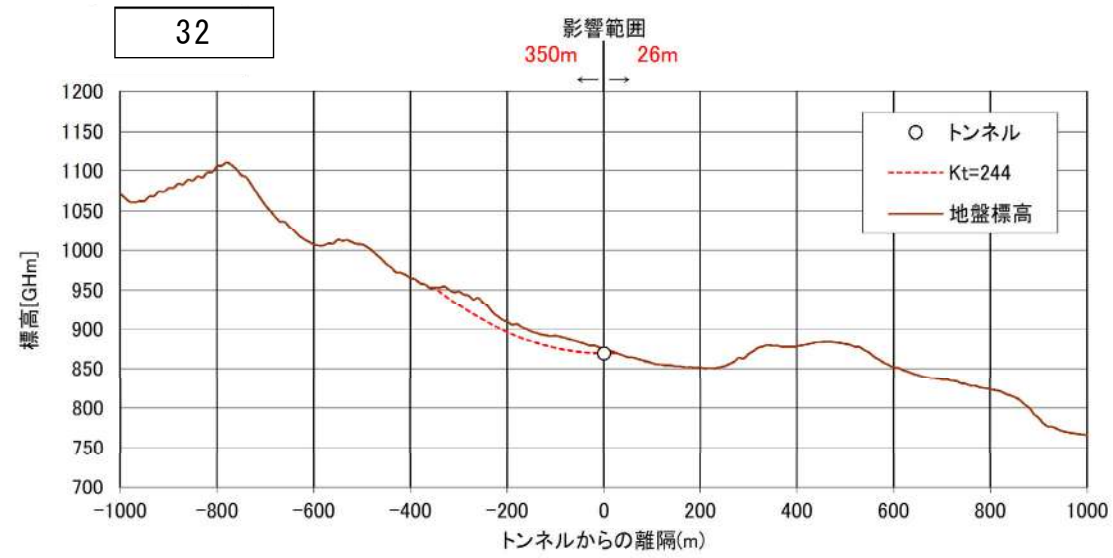
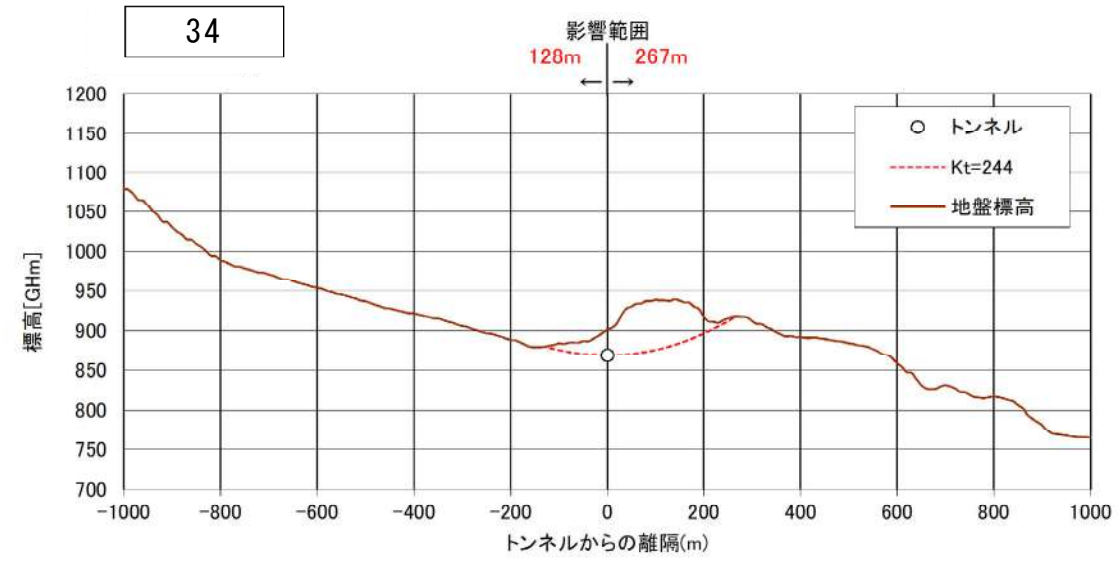
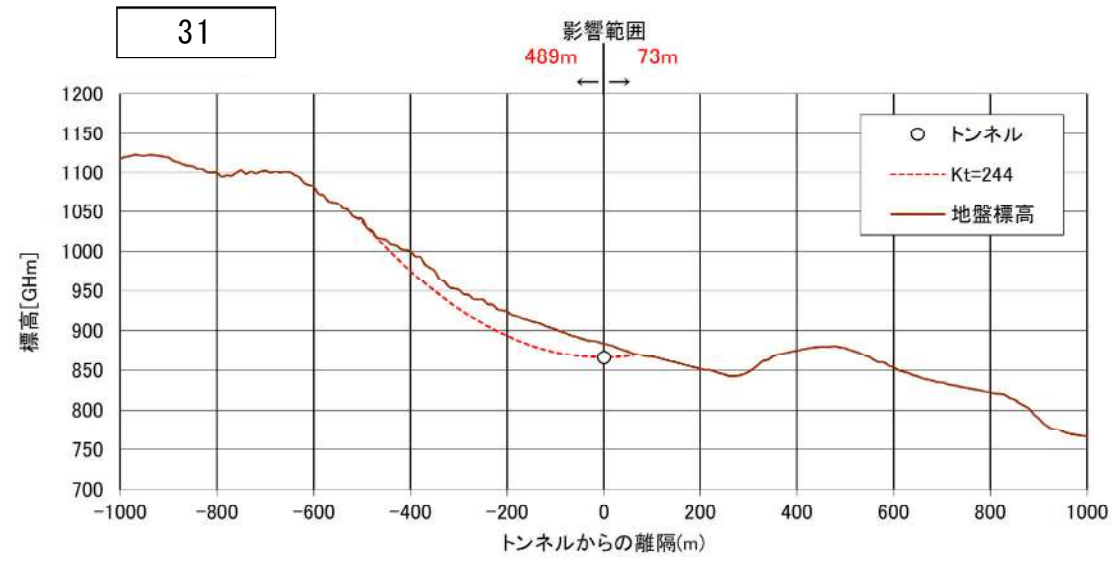




高橋の水文学的手法による集水範囲：上り線（5）

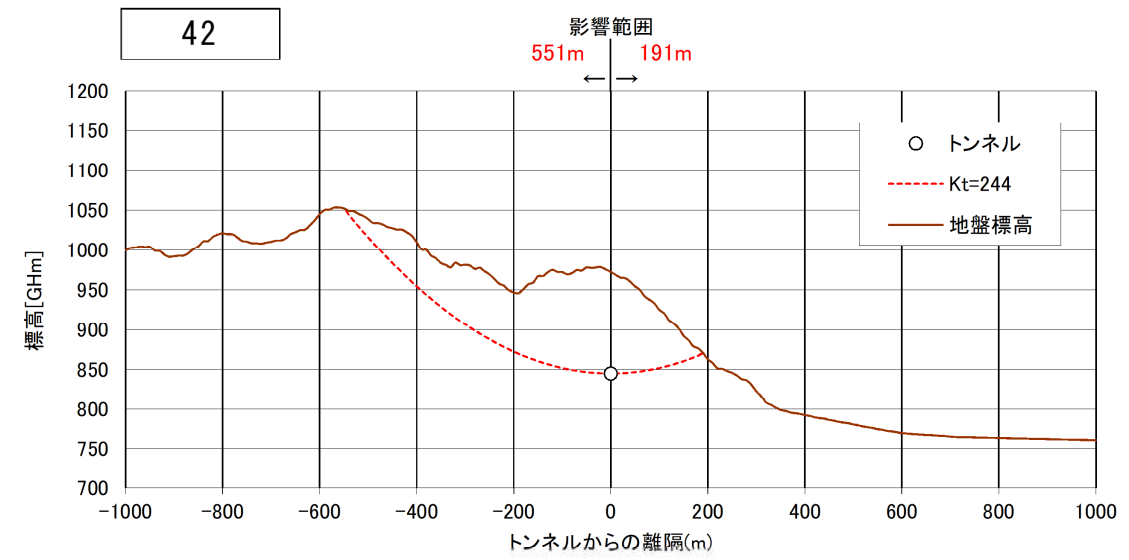
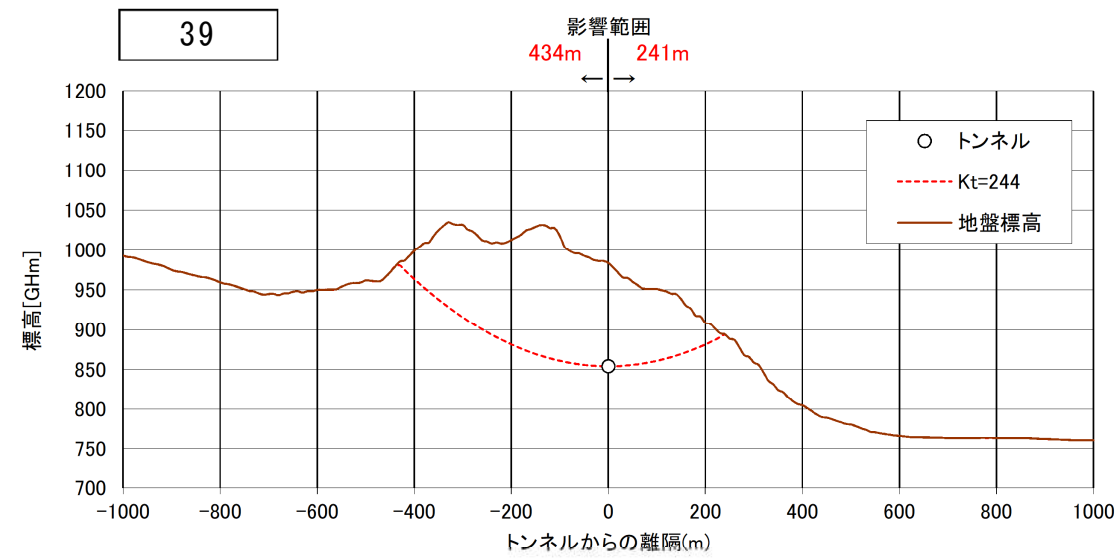
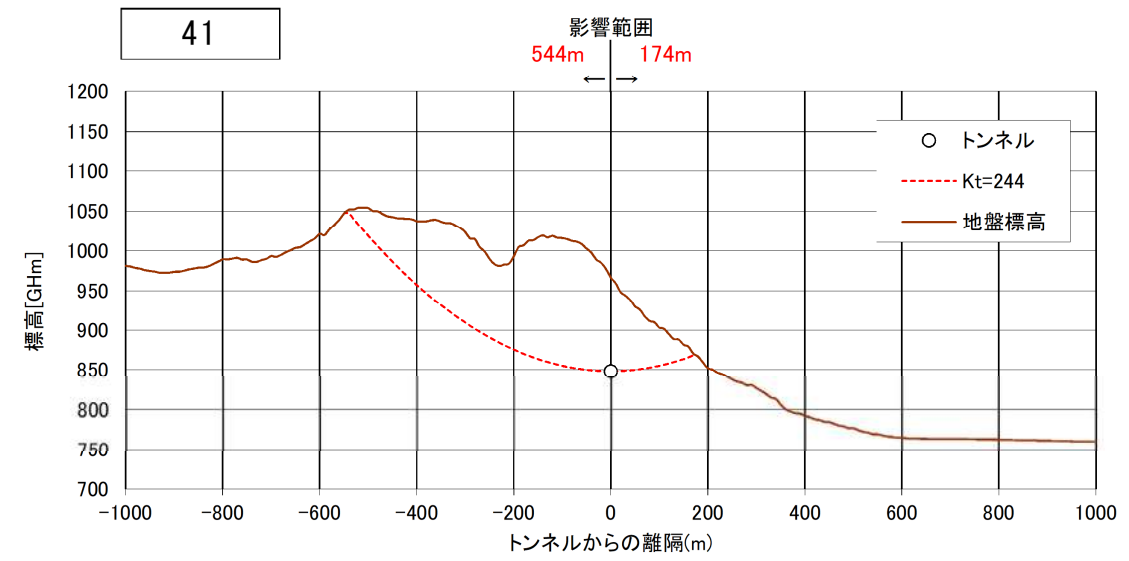
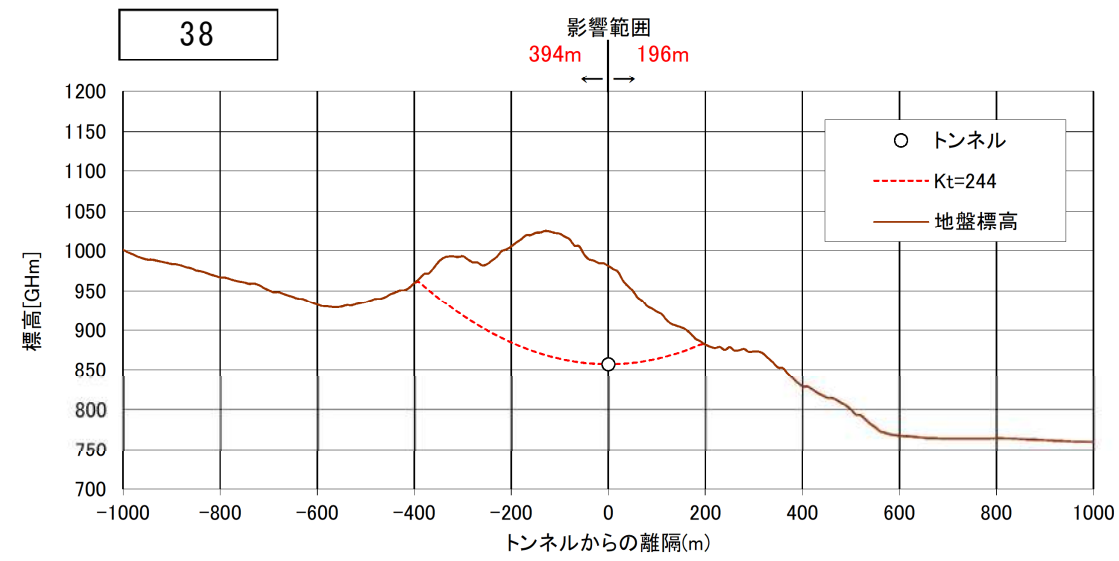
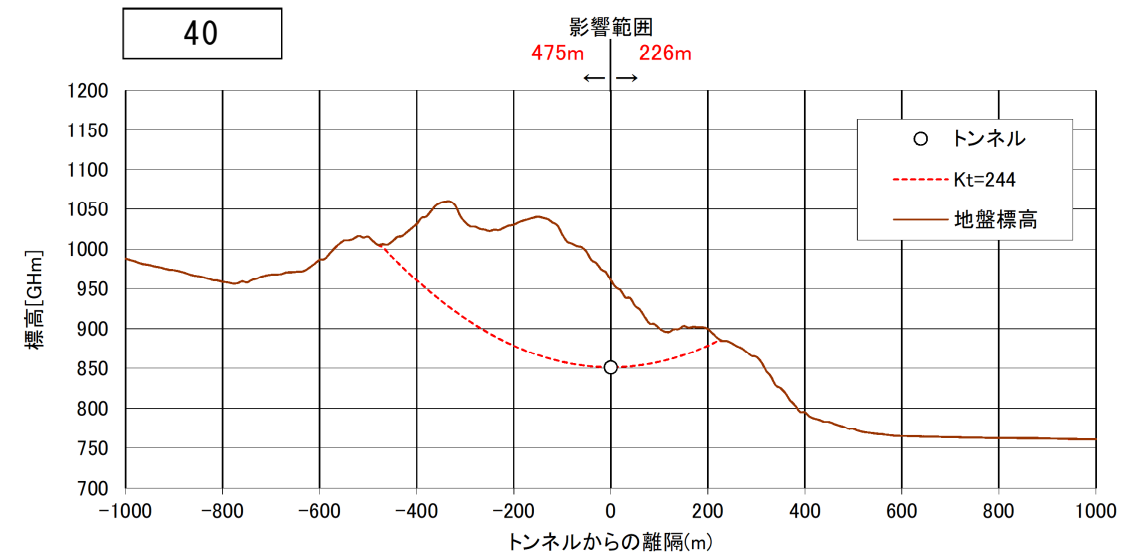
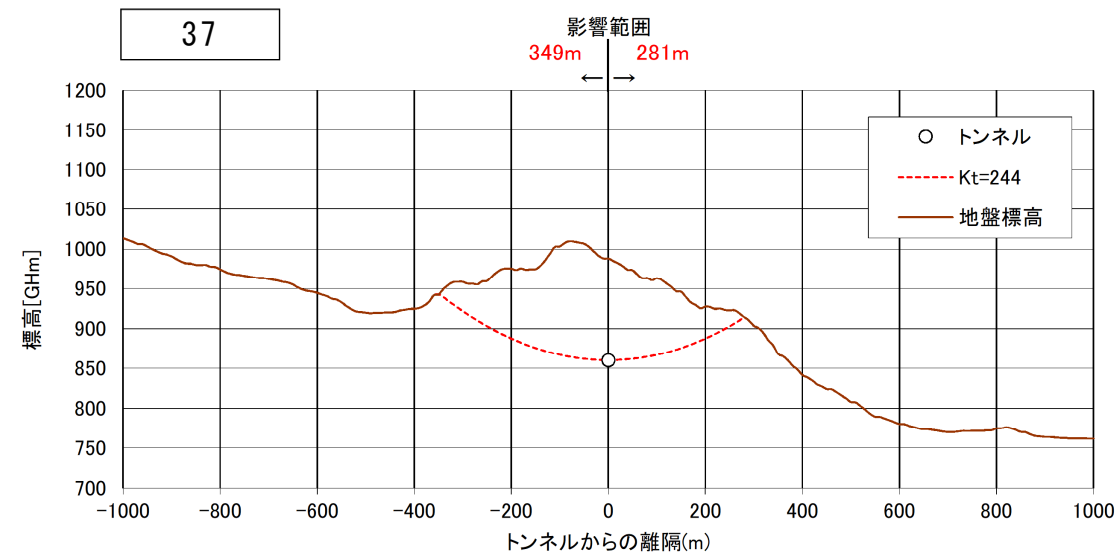


高橋の水文学的手法による集水範囲：上り線（6）

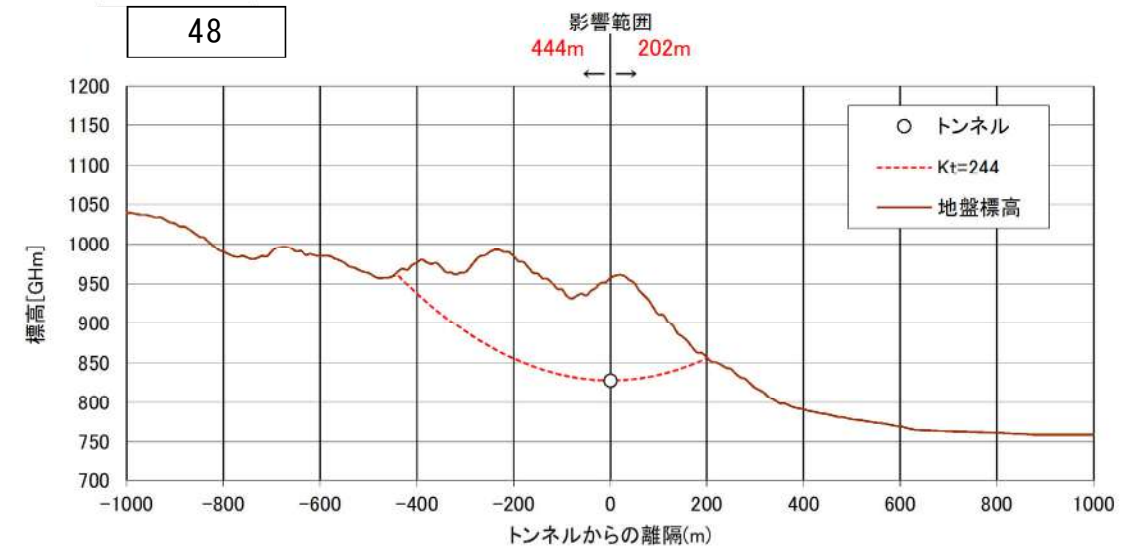
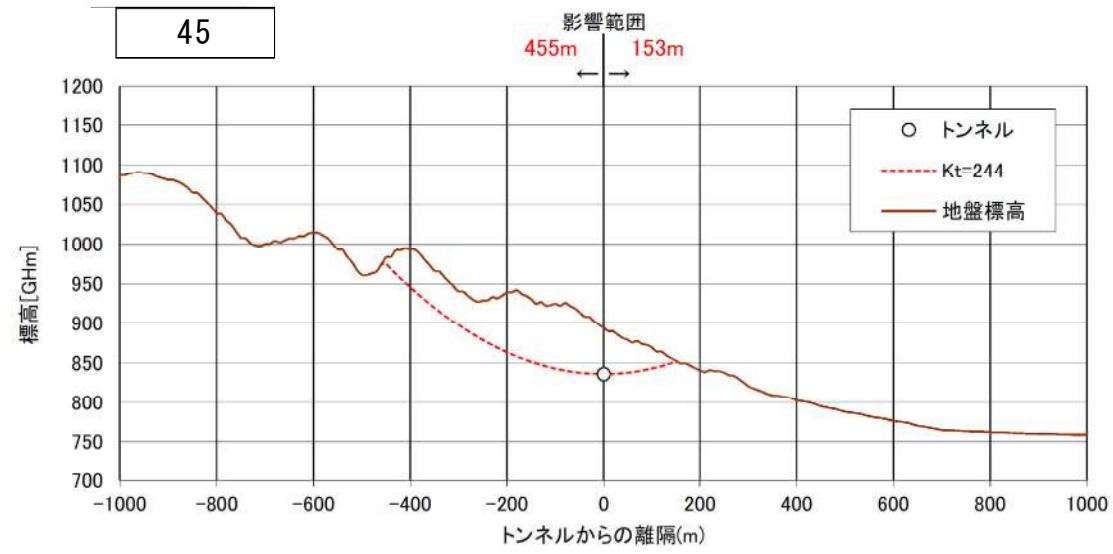
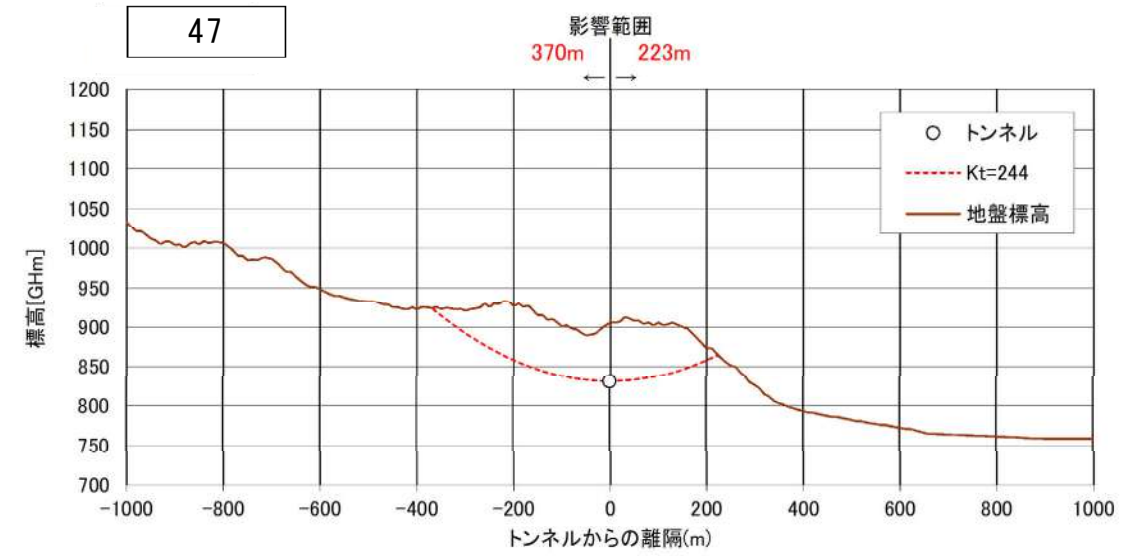
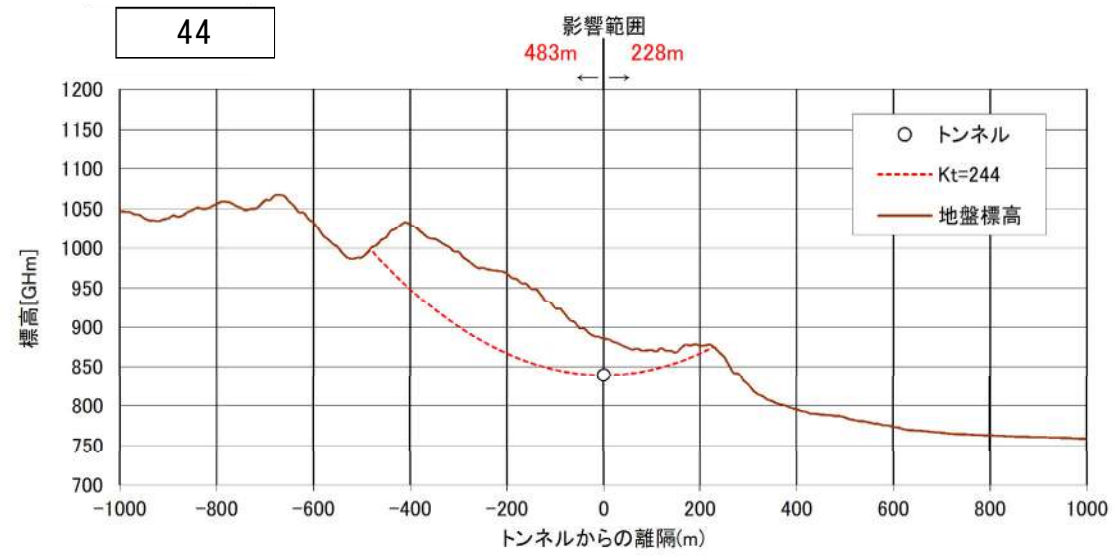
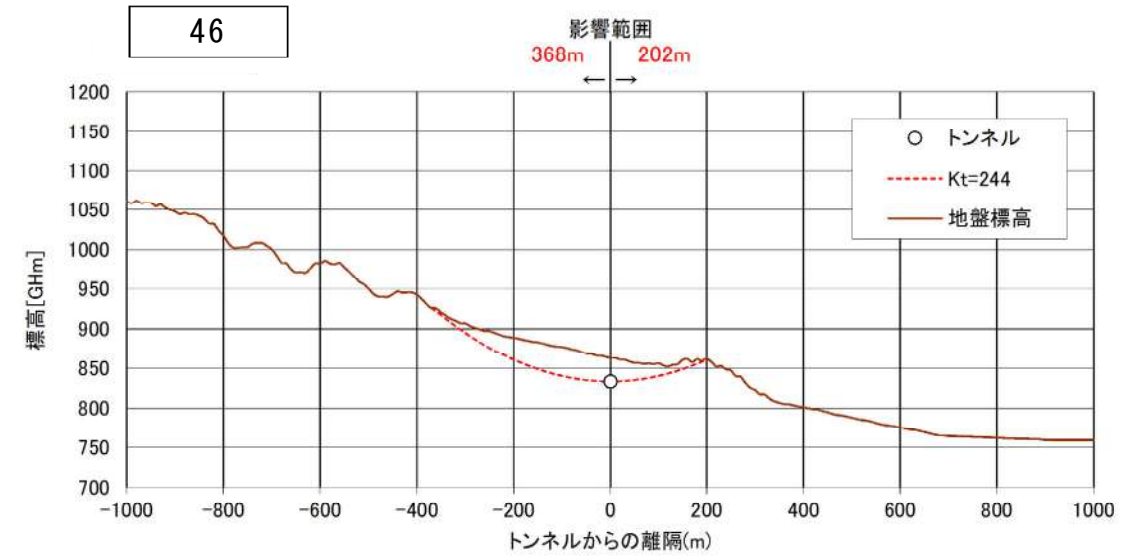
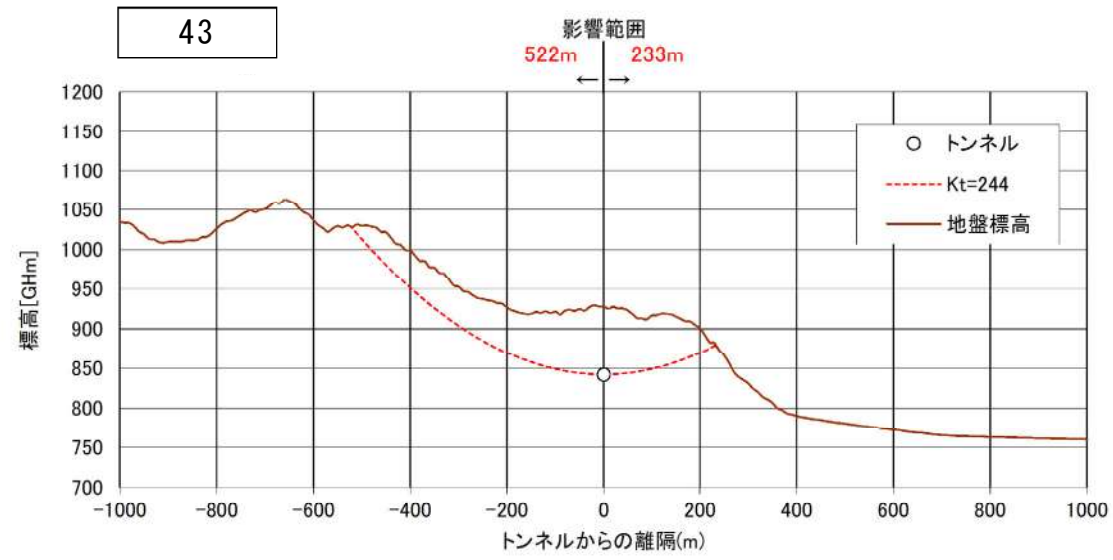




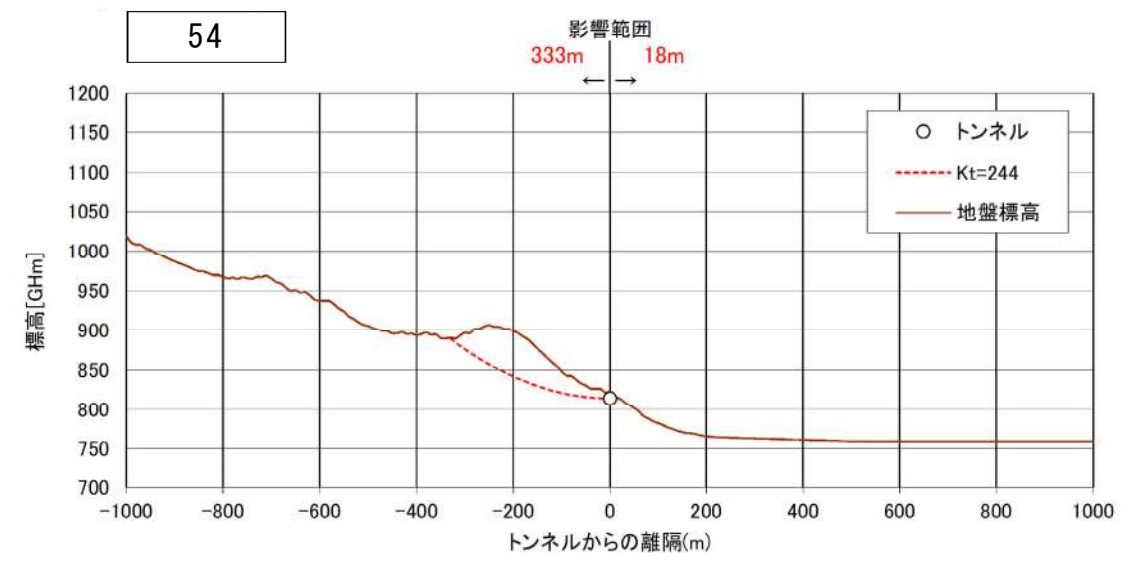
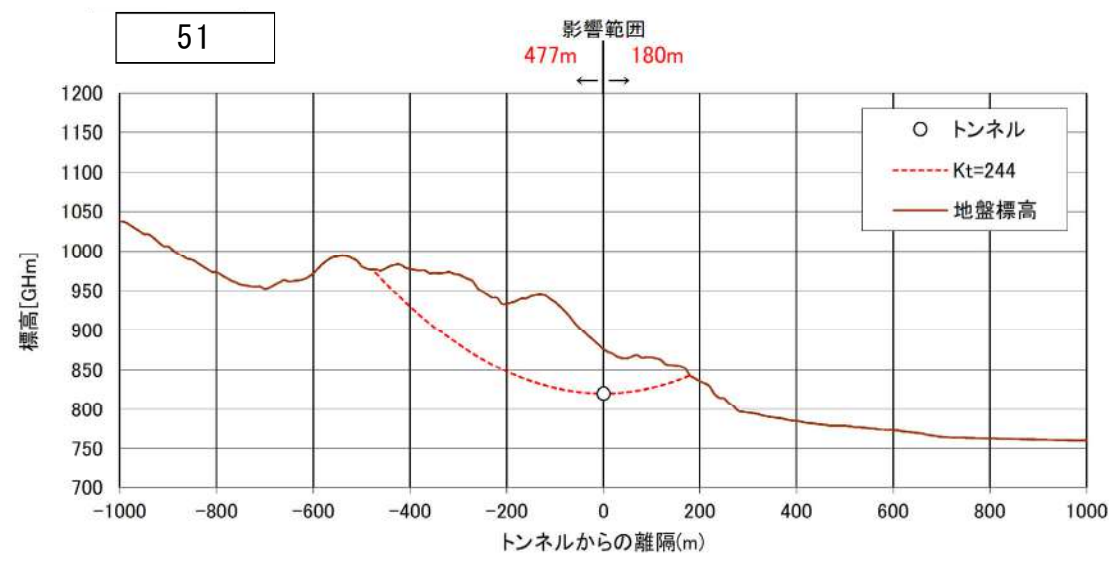
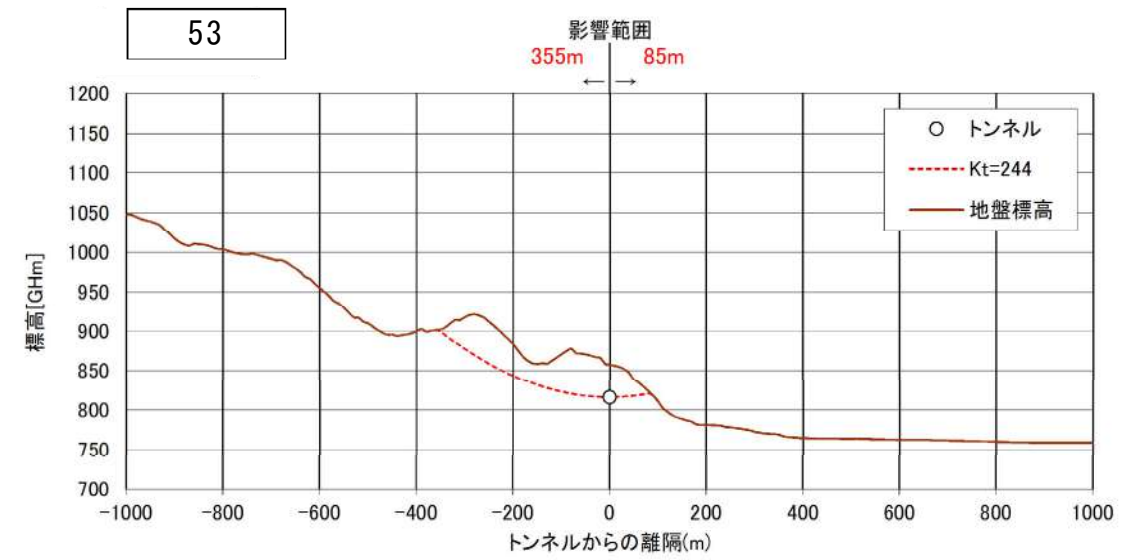
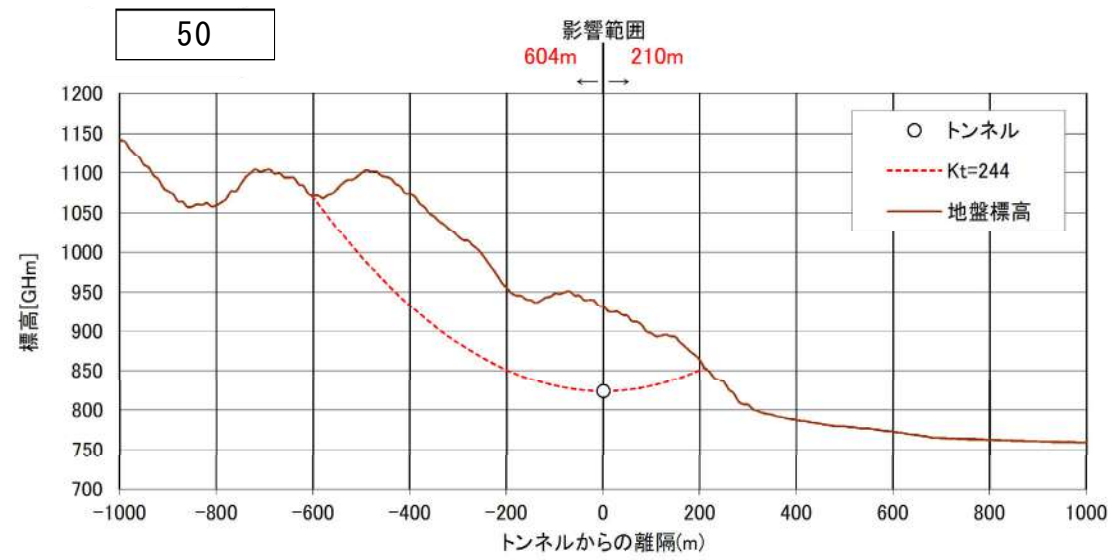
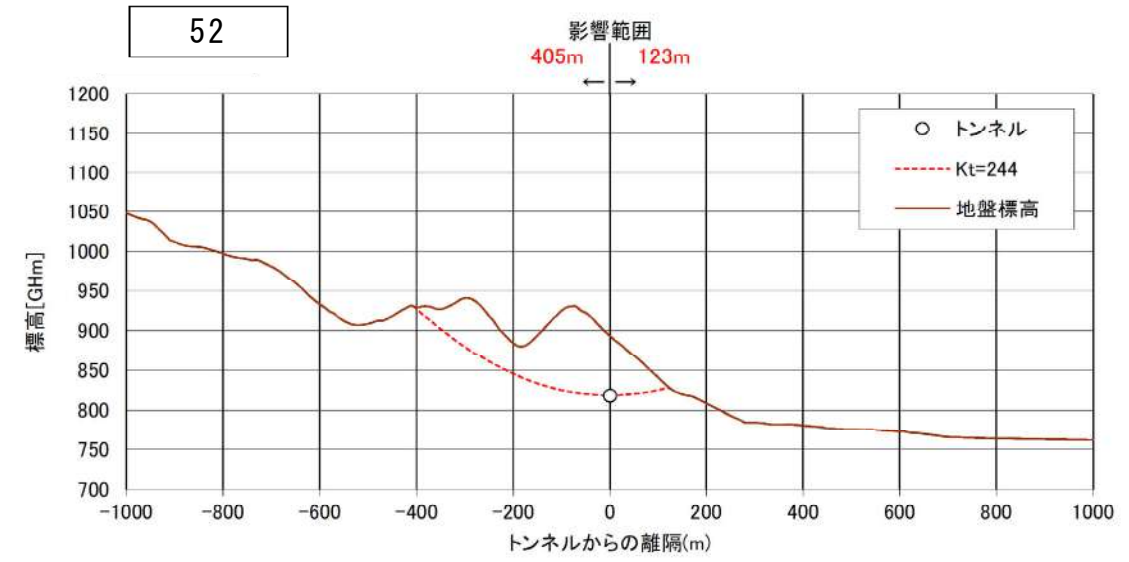
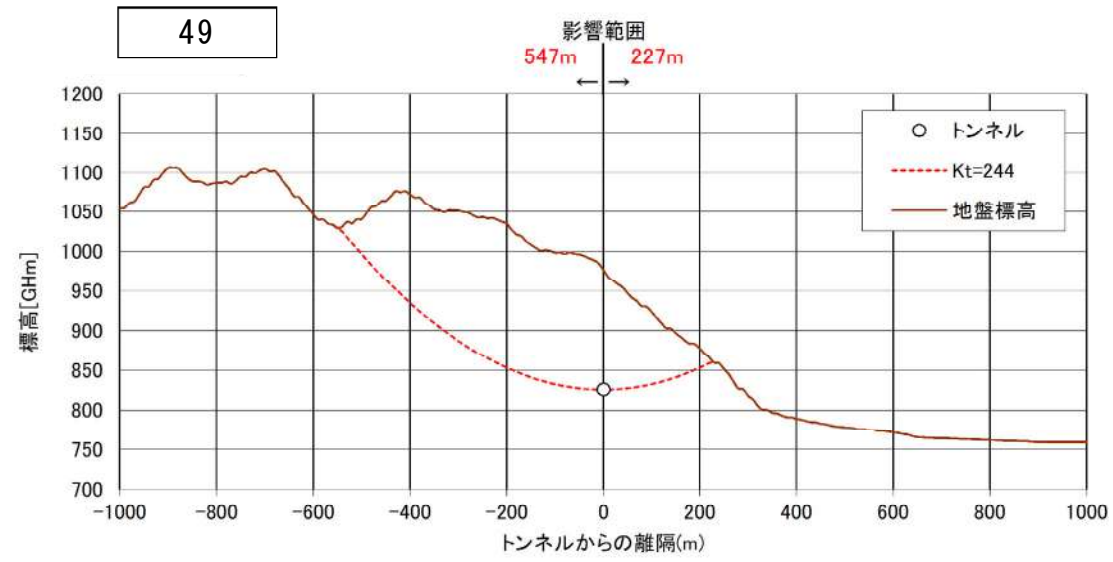
高橋の水文学的手法による集水範囲：上り線（7）



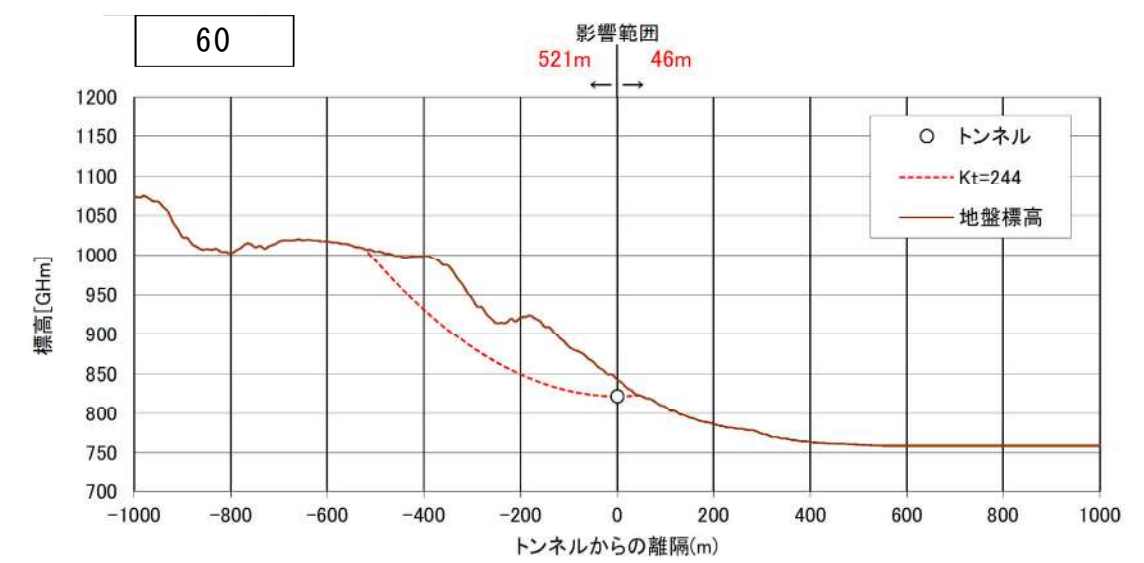
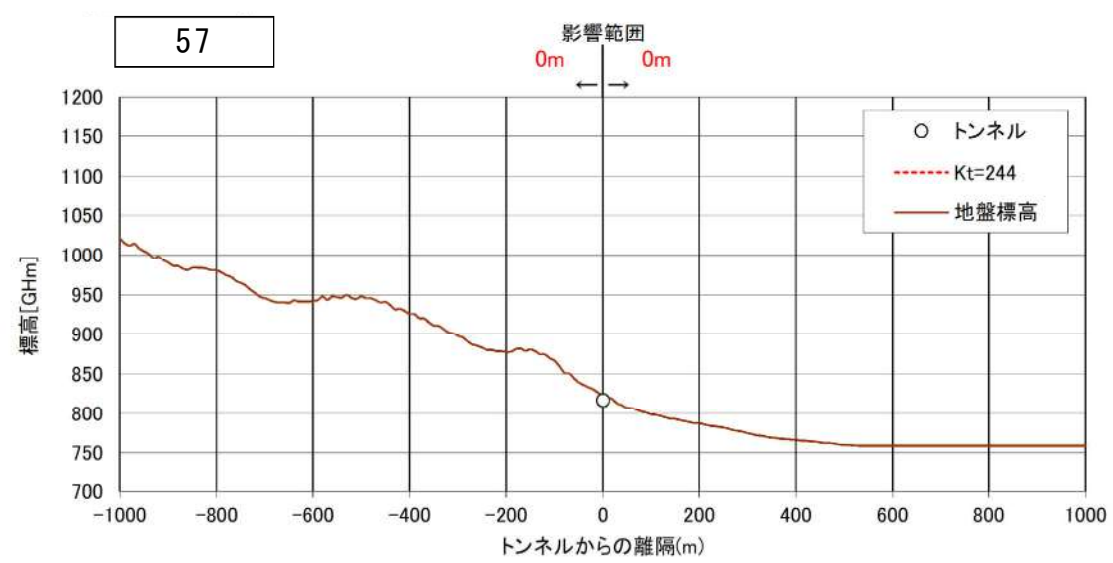
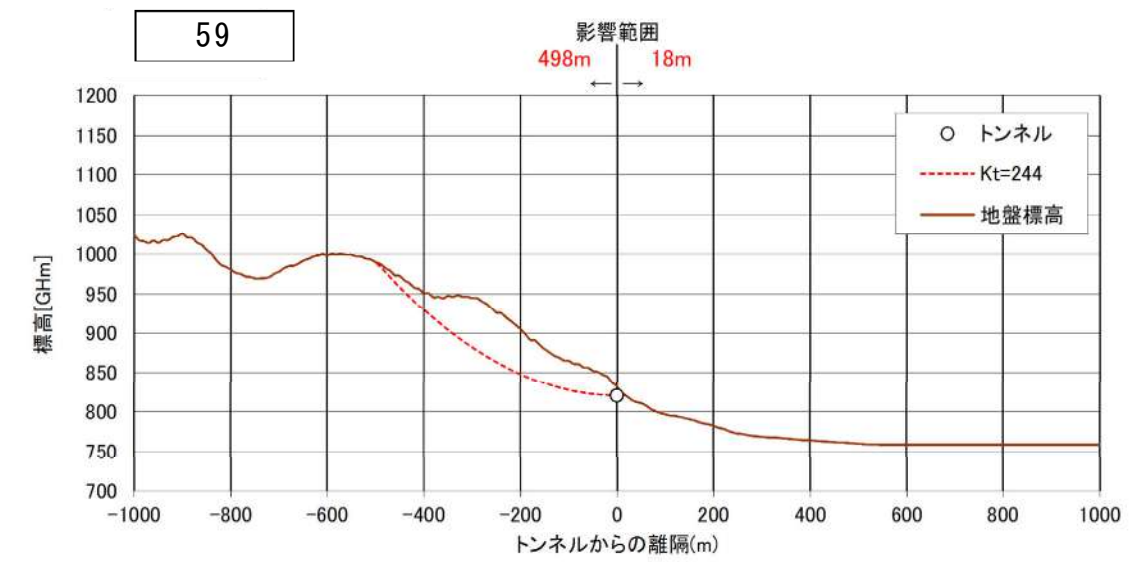
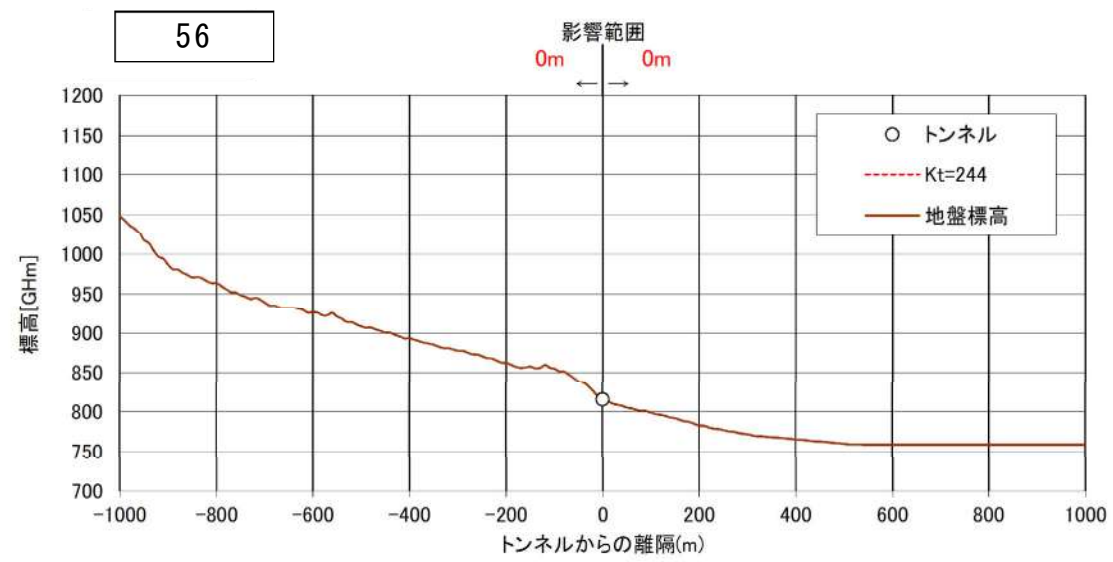
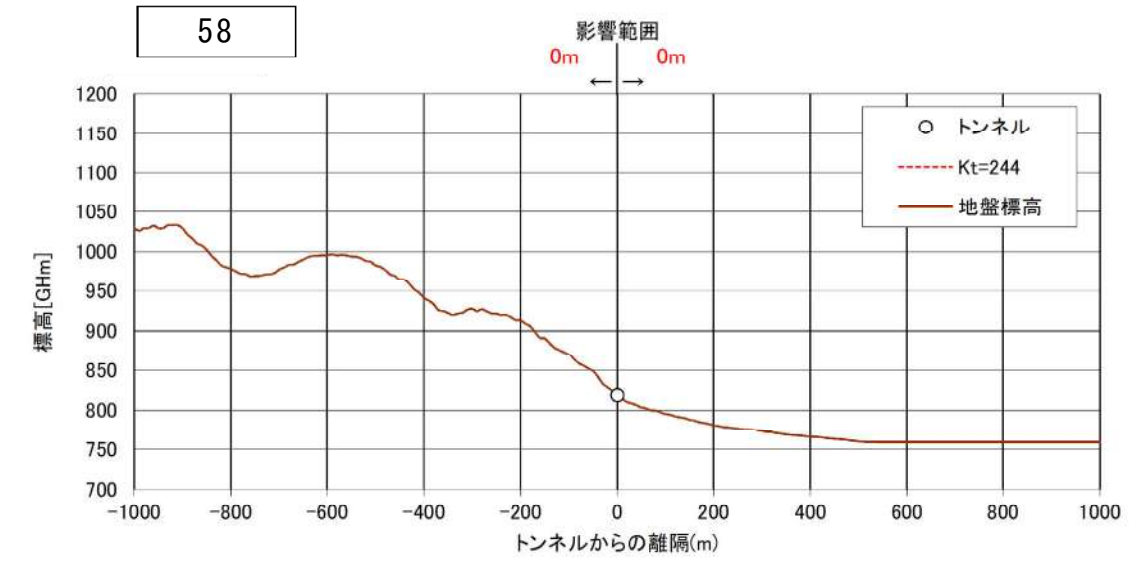
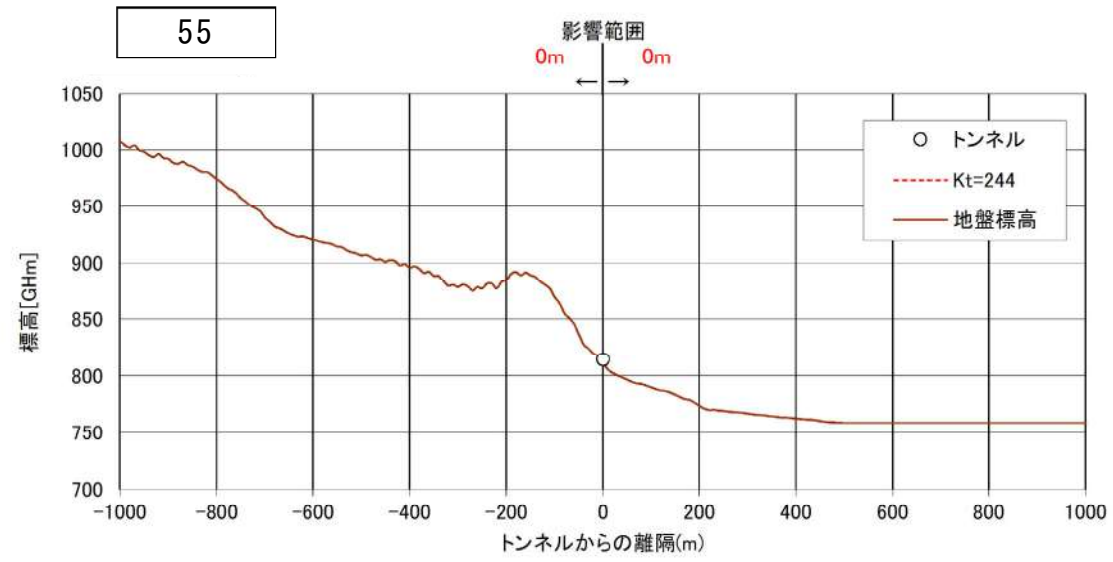
高橋の水文学的手法による集水範囲：上り線（8）



高橋の水文学的手法による集水範囲：上り線（9）

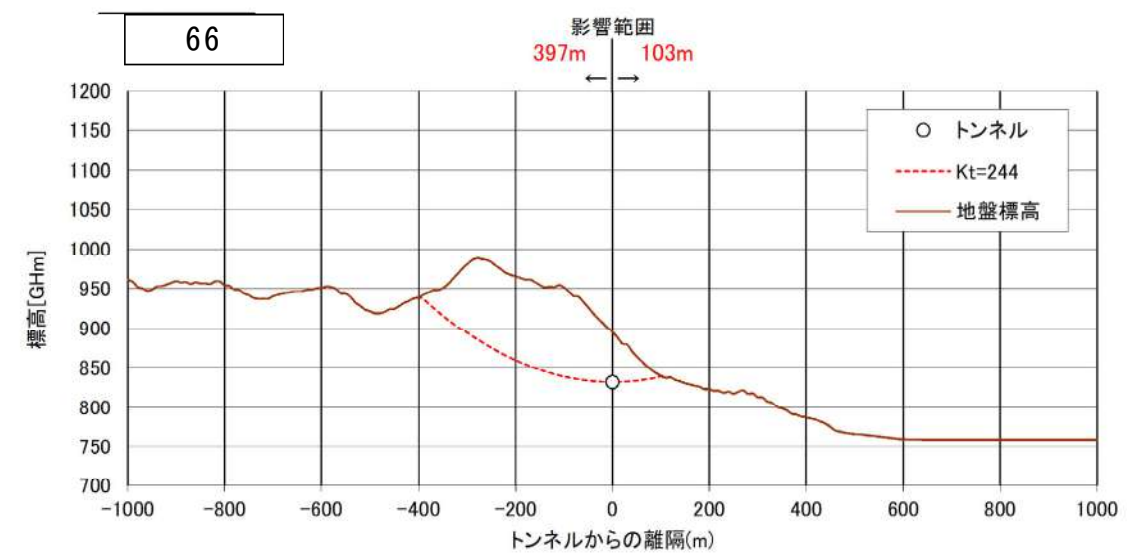
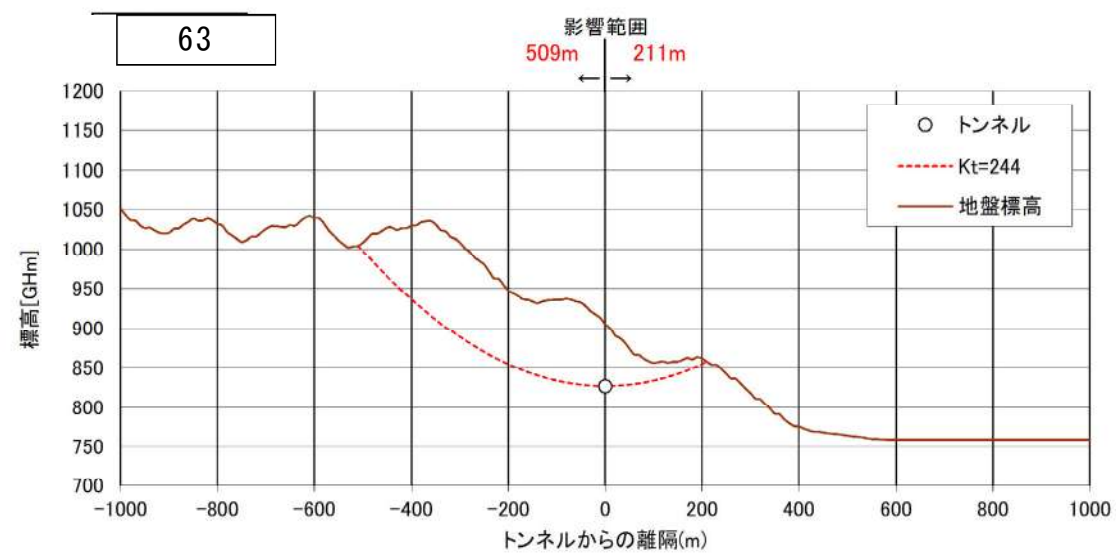
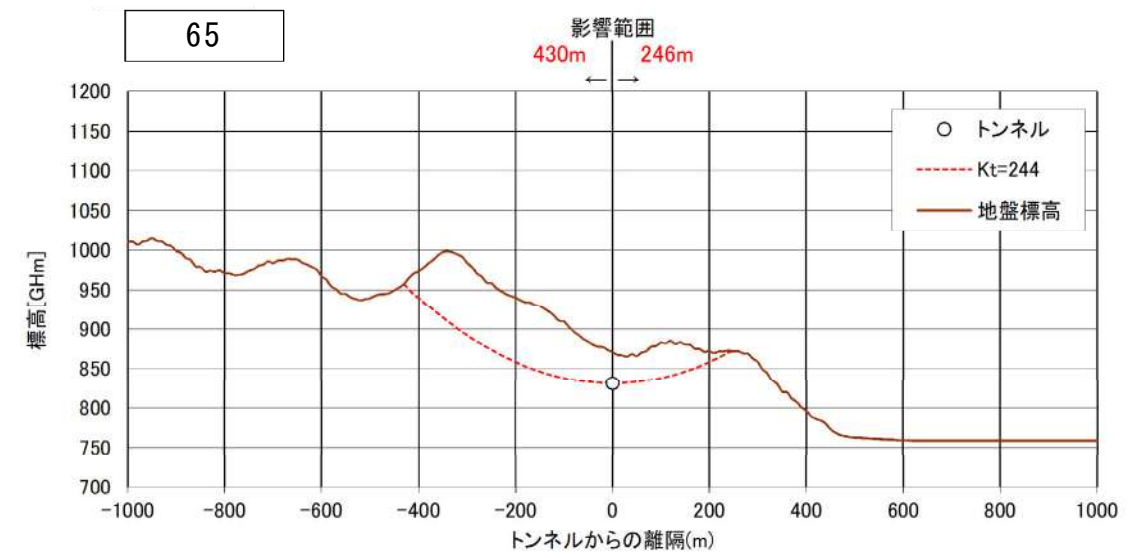
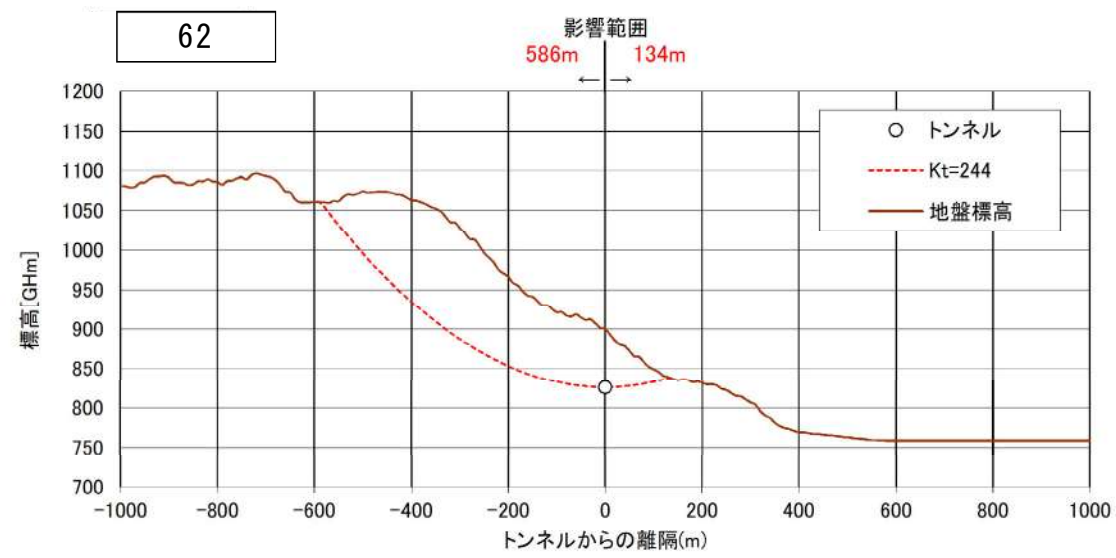
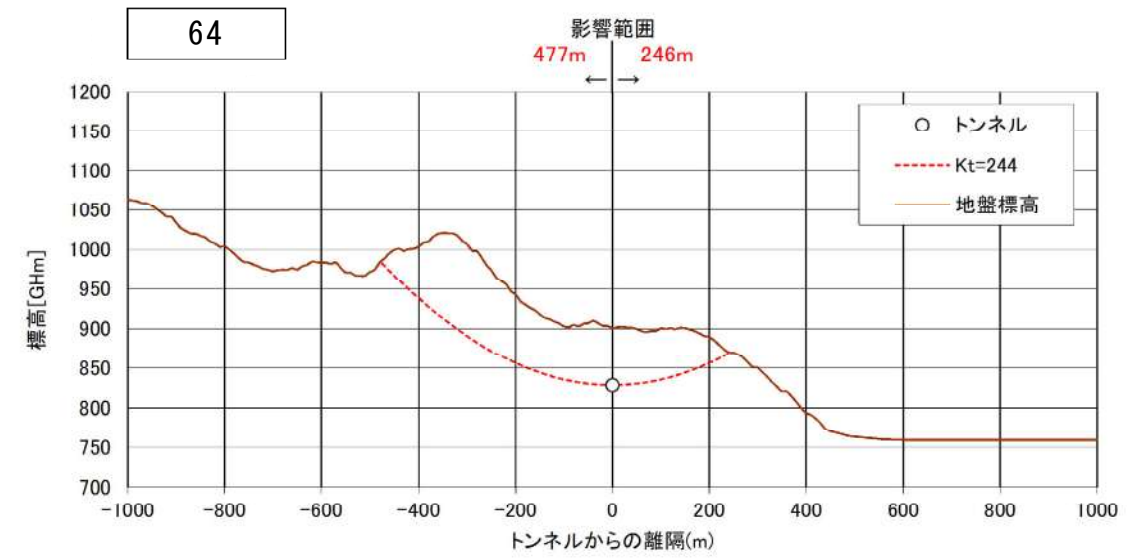
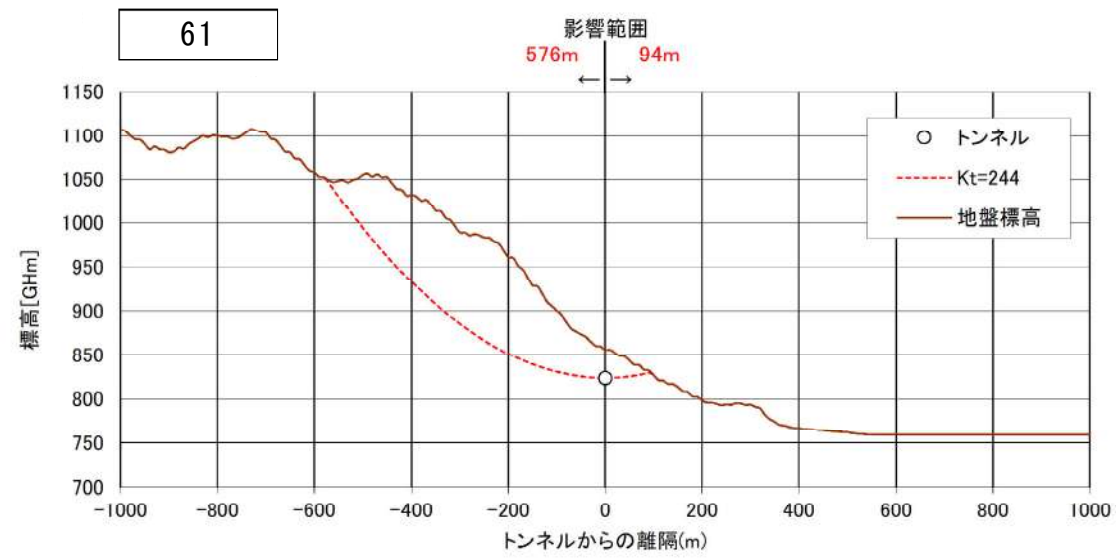


高橋の水文学的手法による集水範囲：上り線（10）

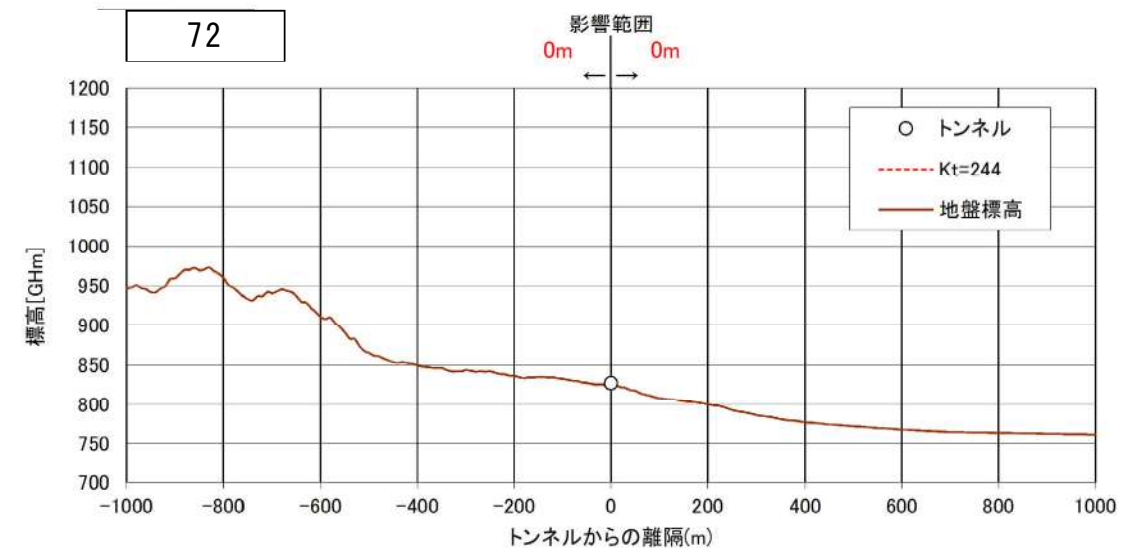
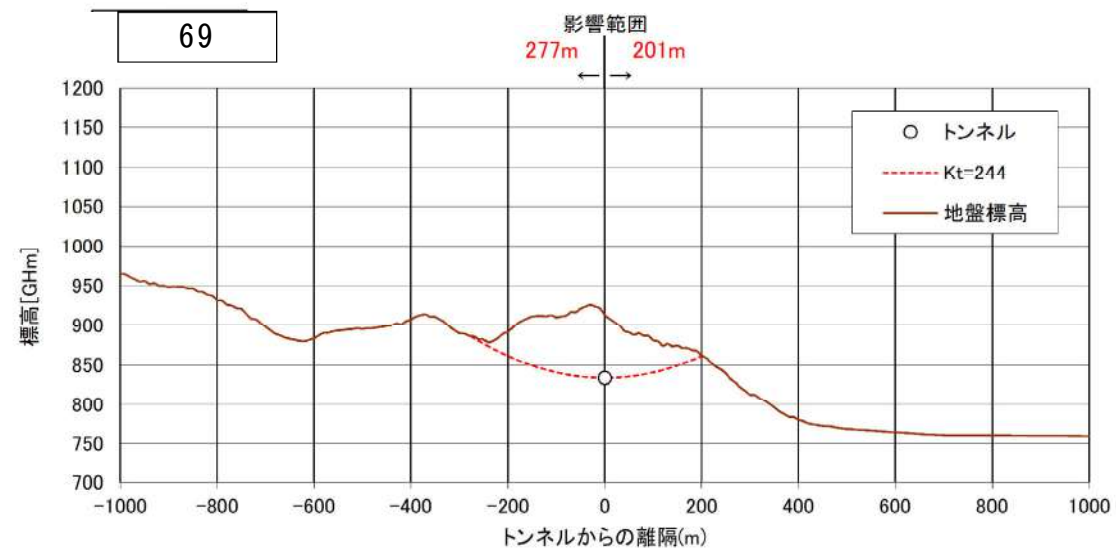
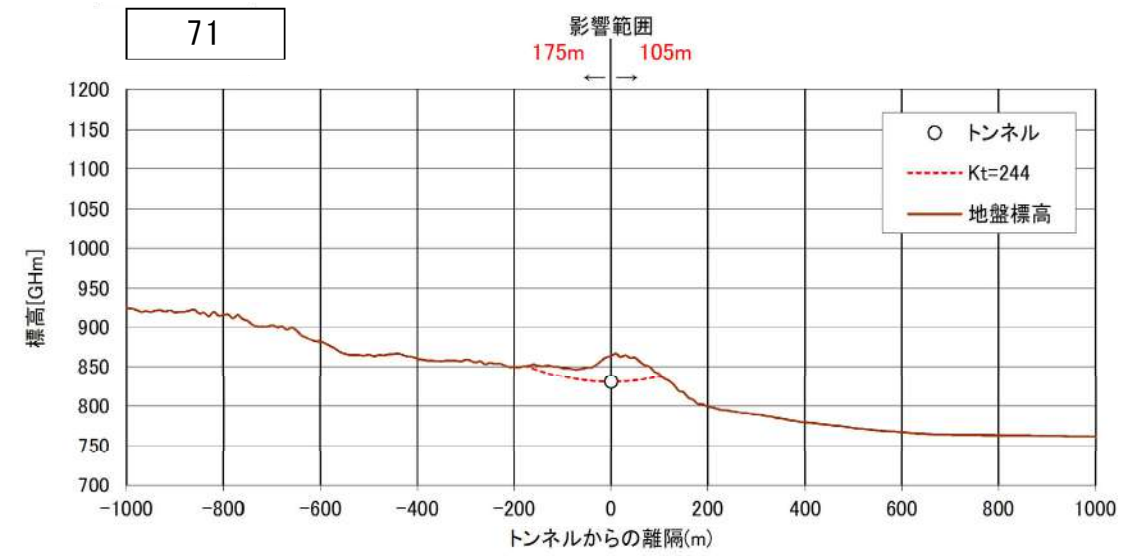
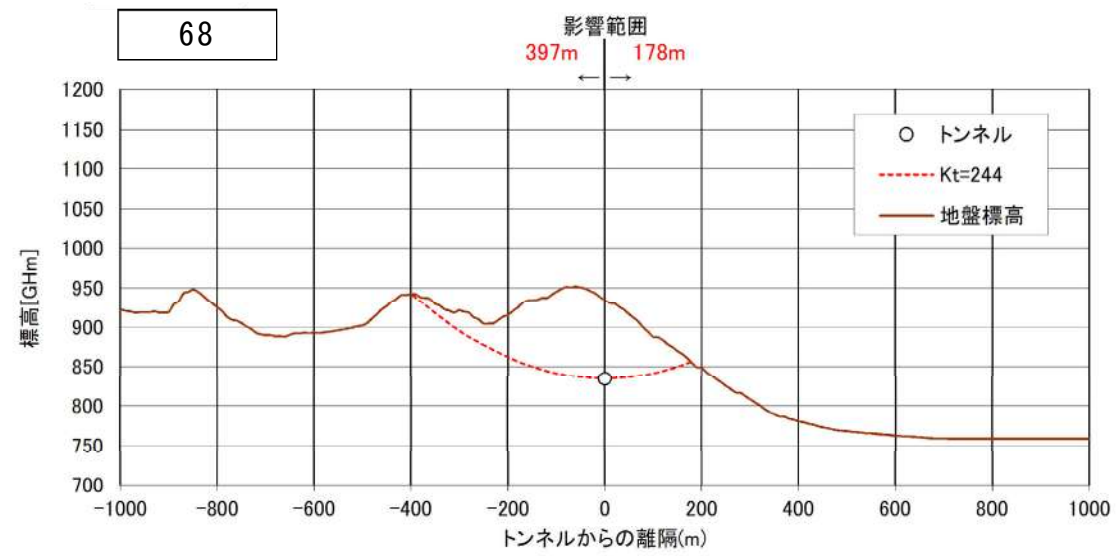
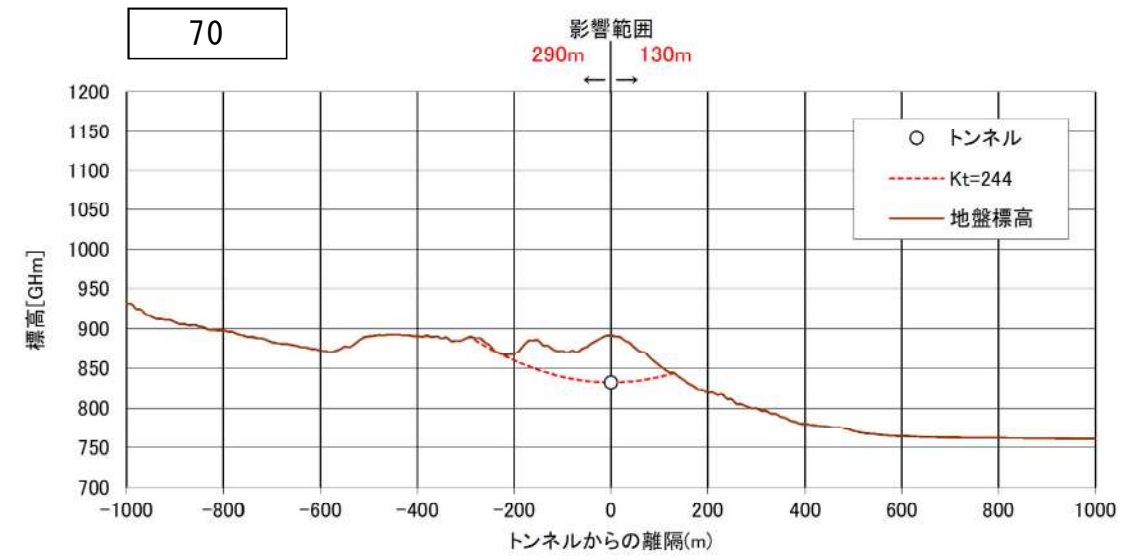
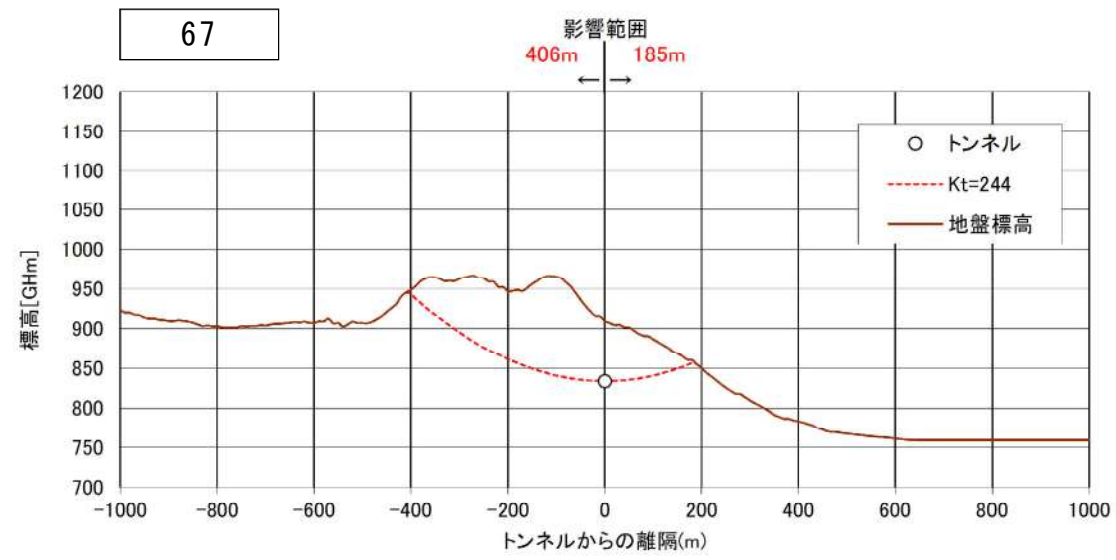




高橋の水文学的手法による集水範囲：上り線（11）

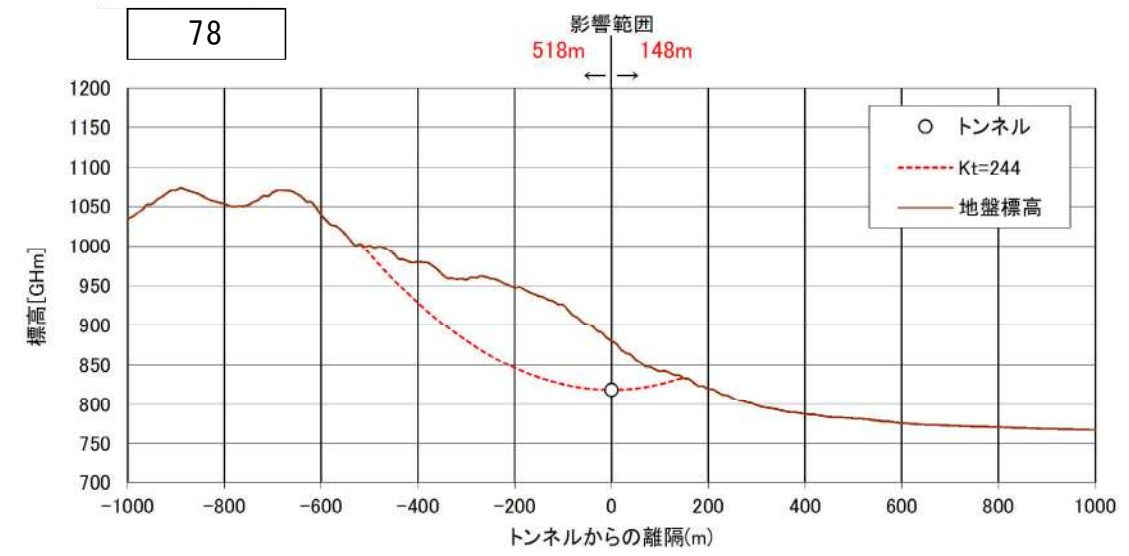
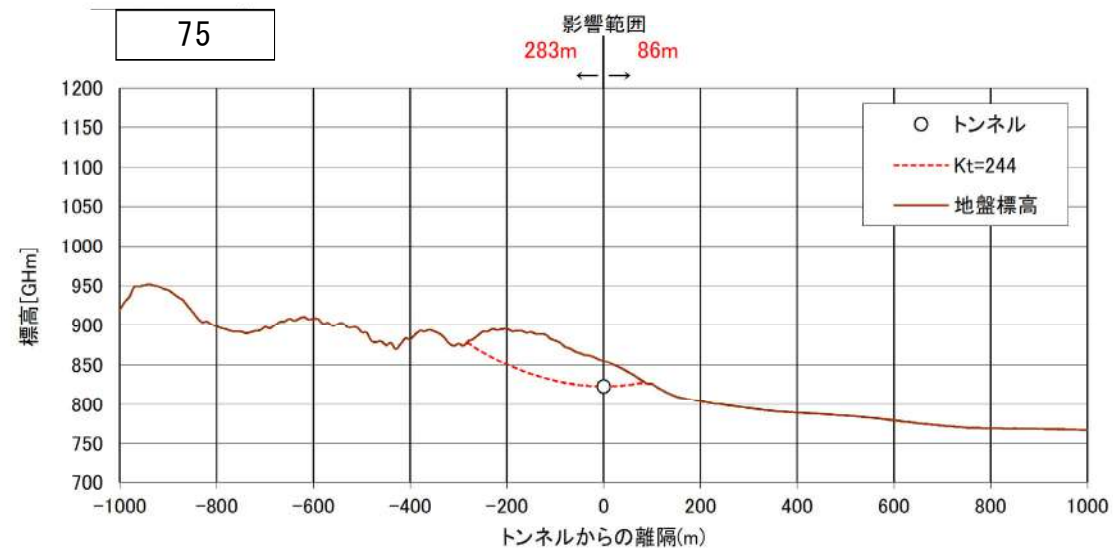
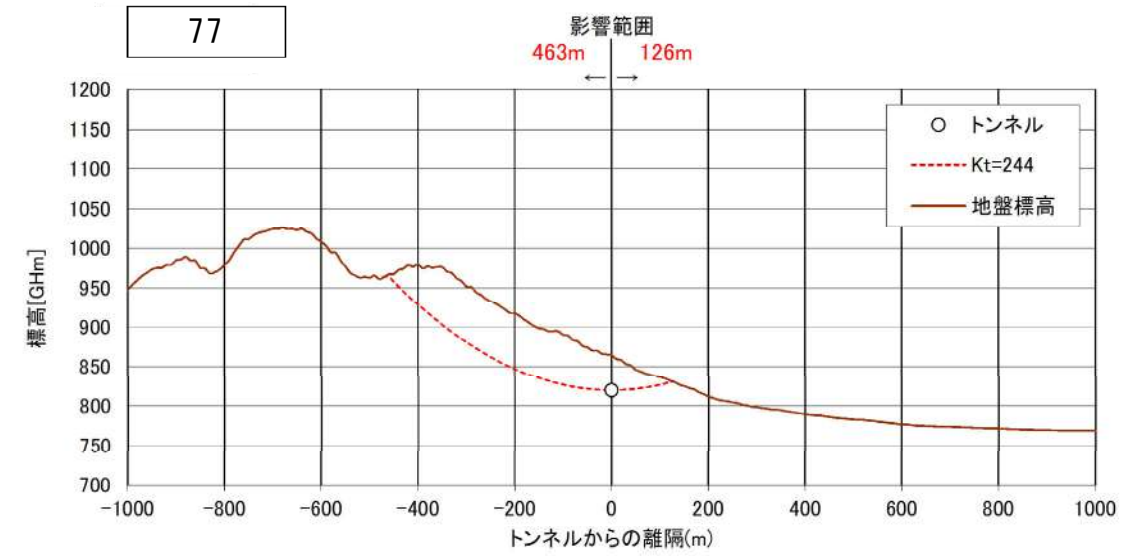
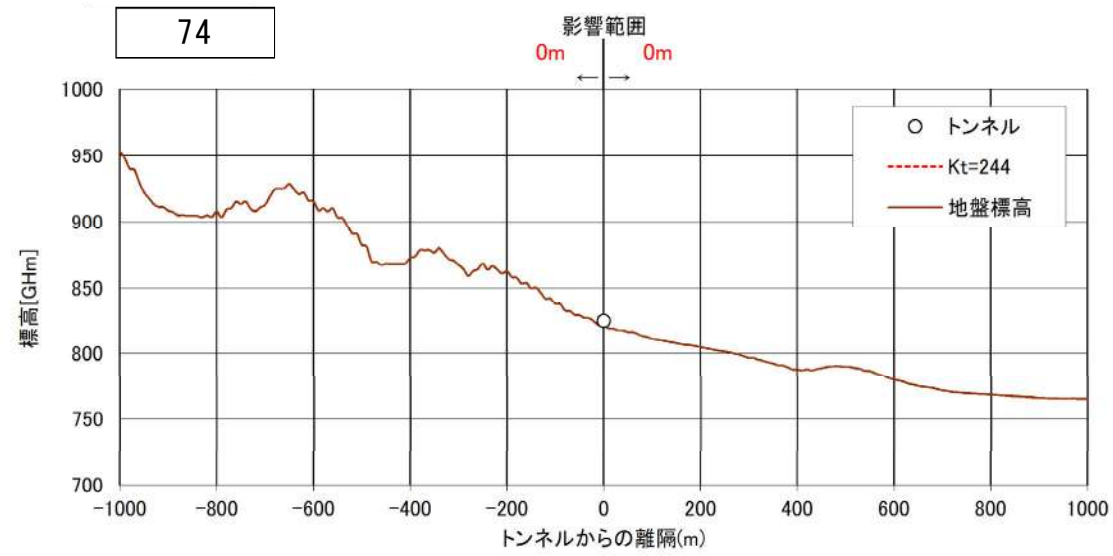
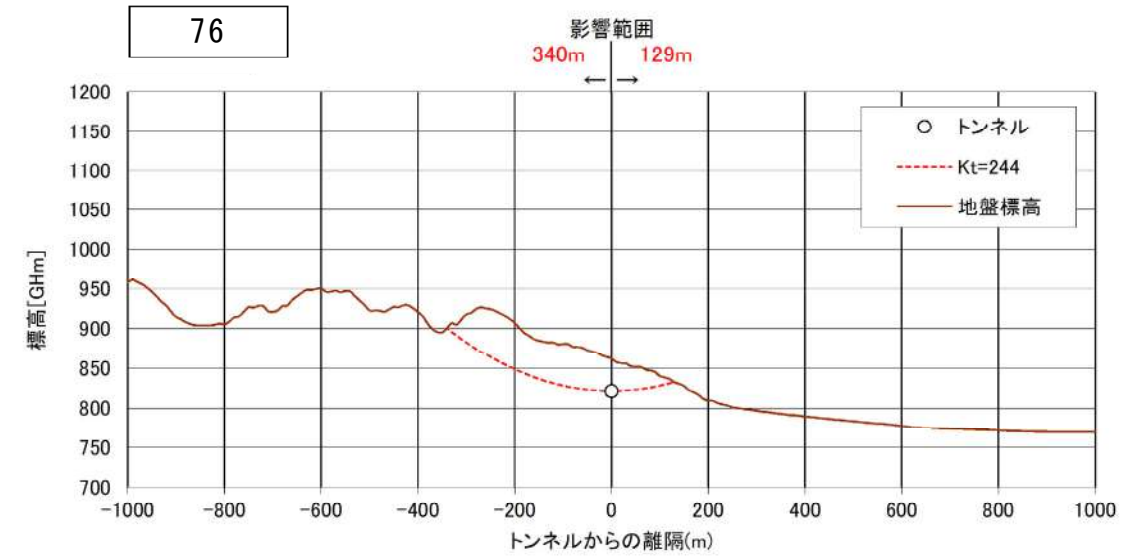
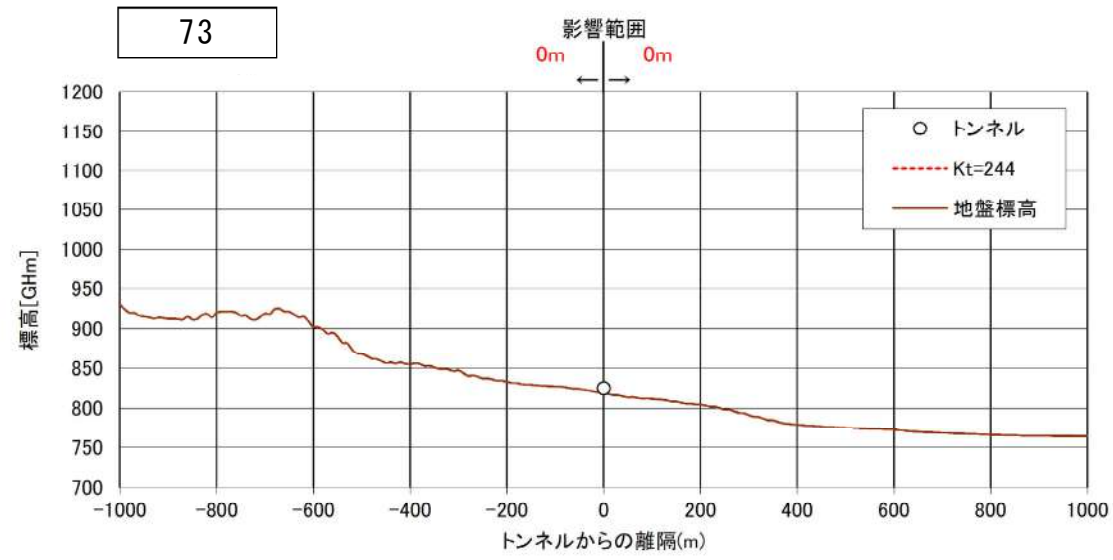


高橋の水文学的手法による集水範囲：上り線（12）

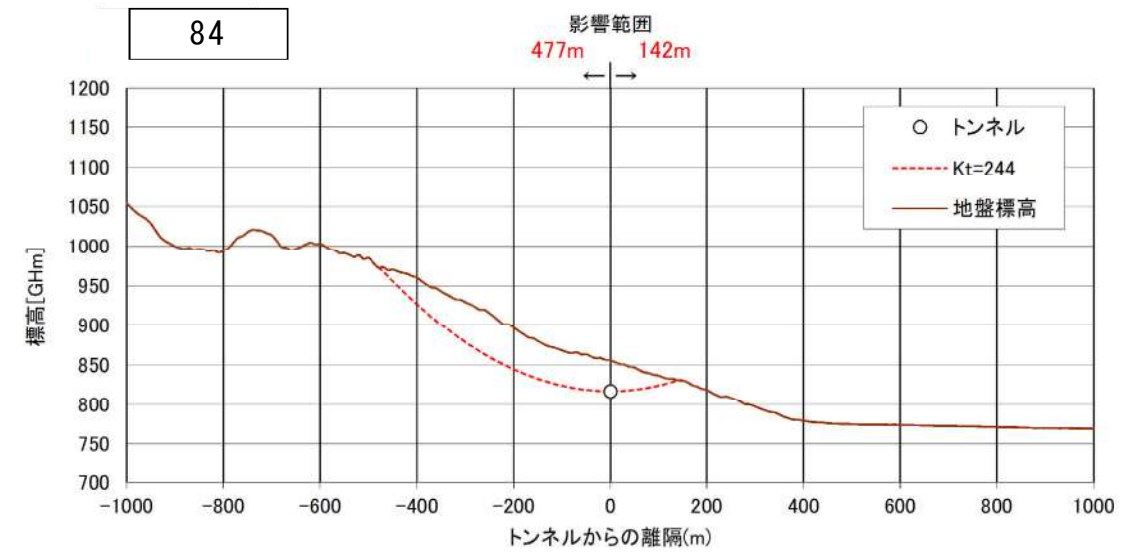
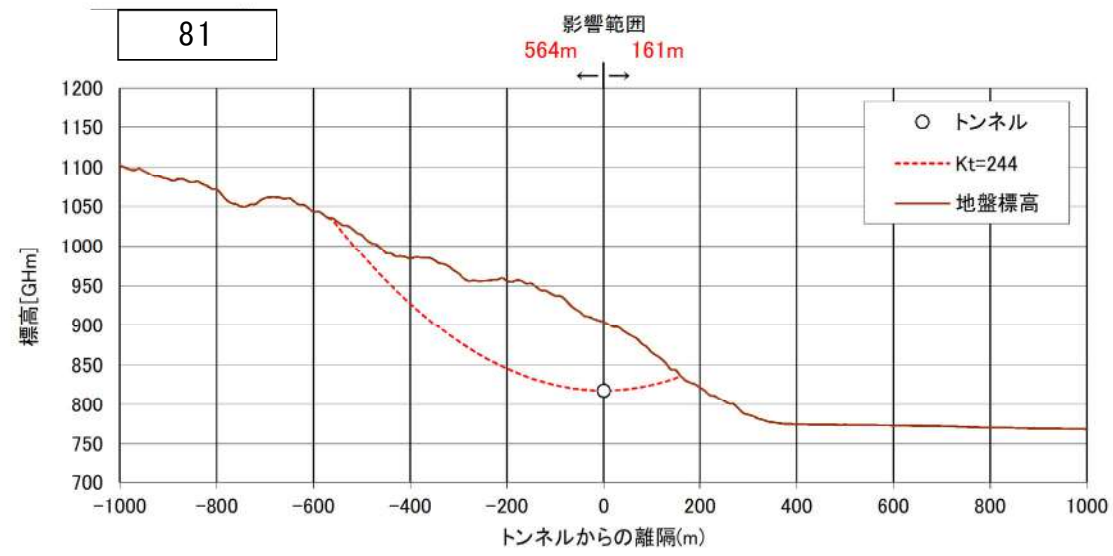
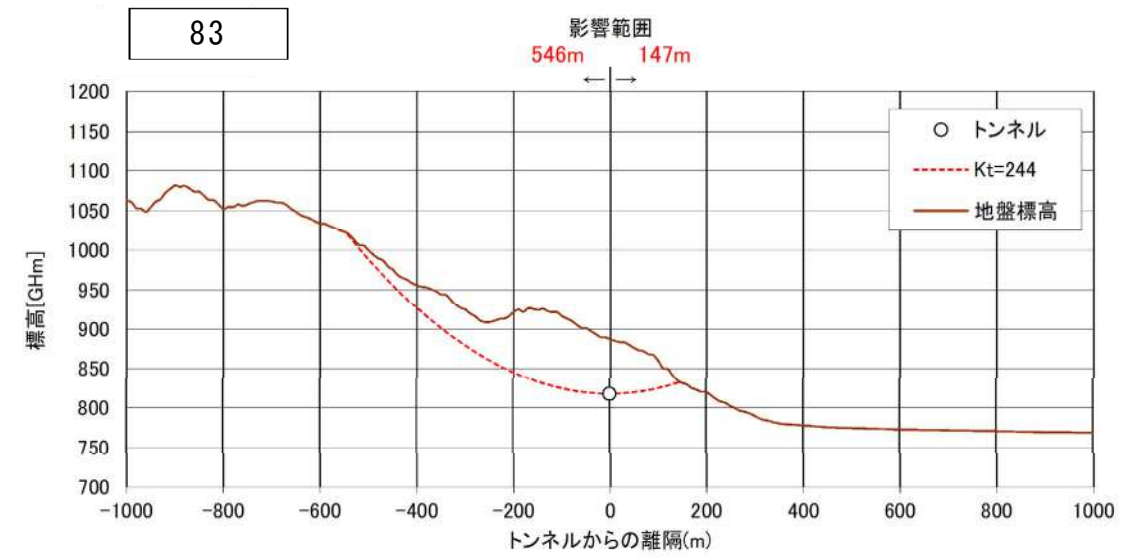
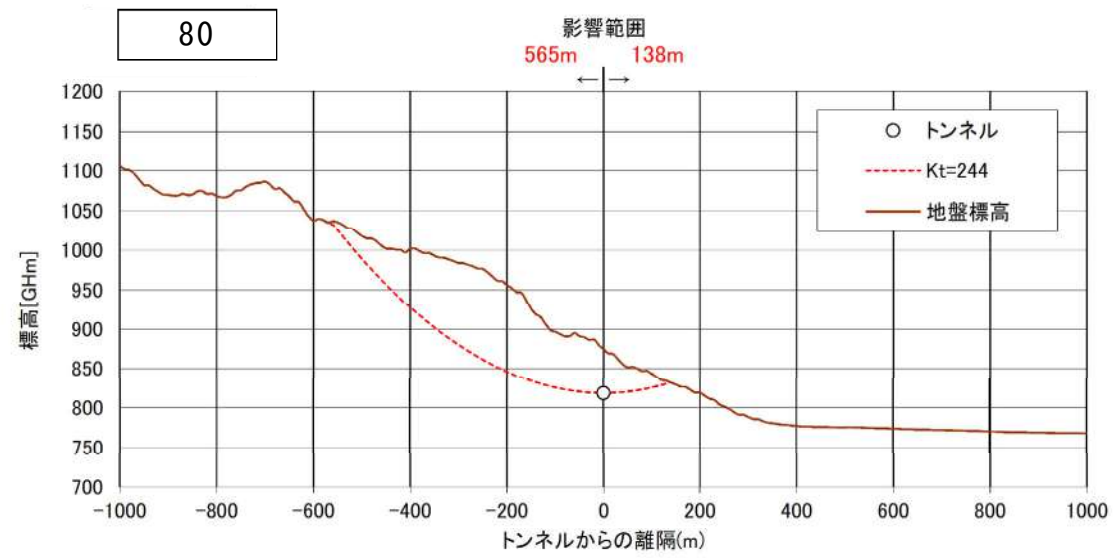
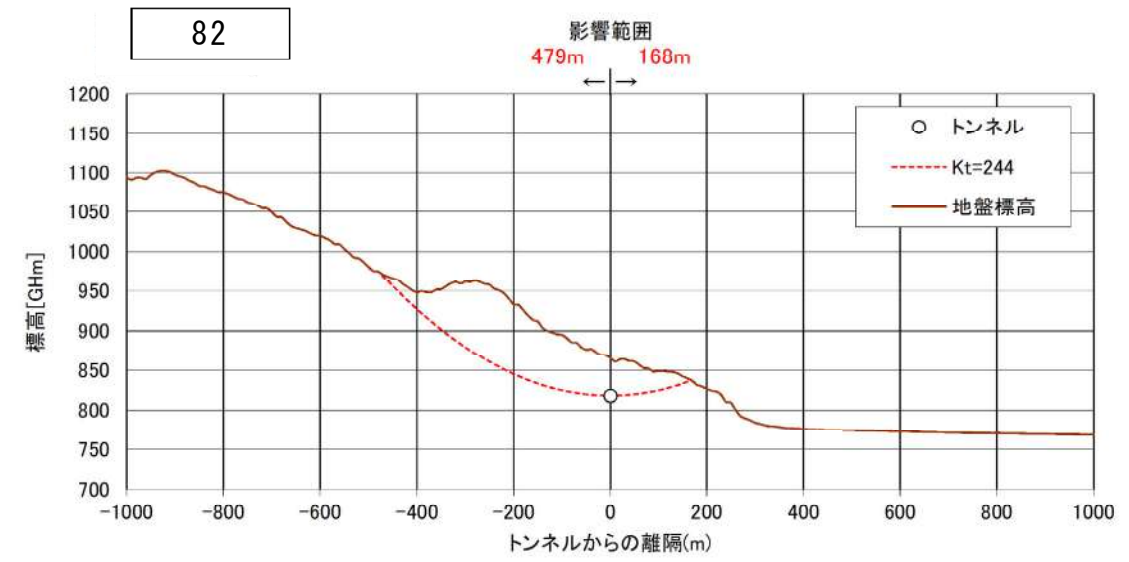
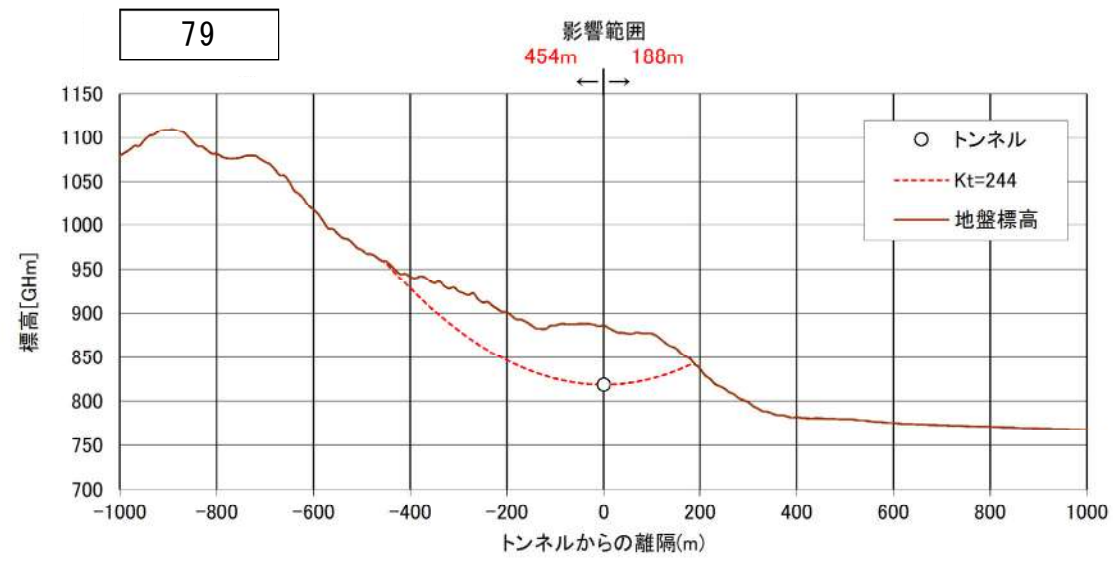




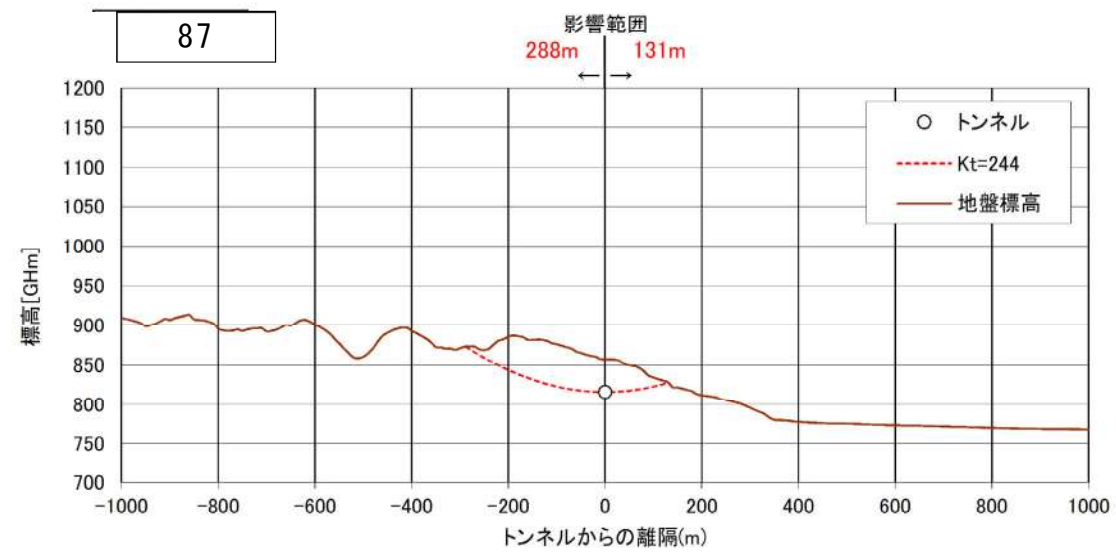
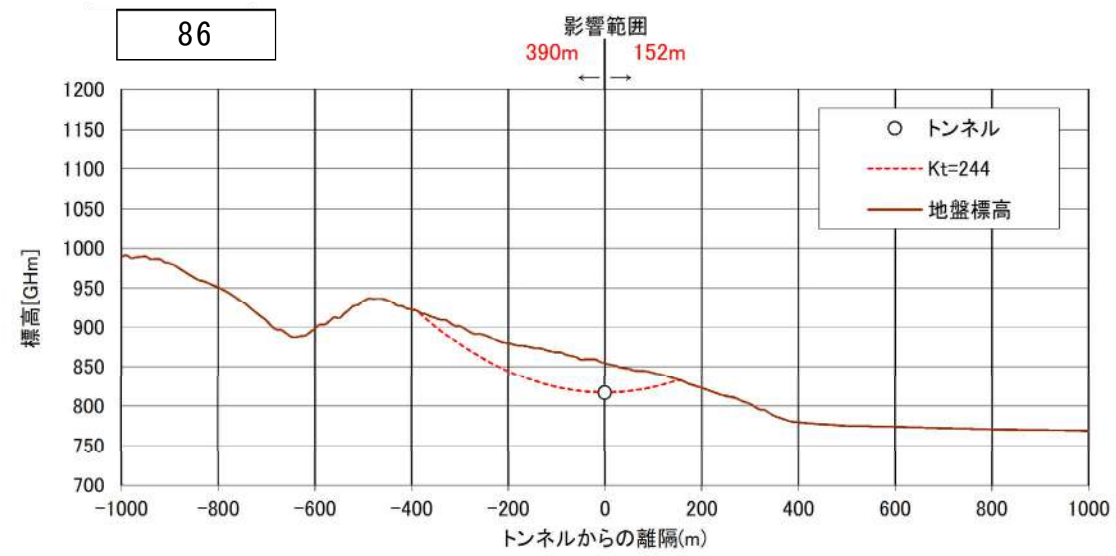
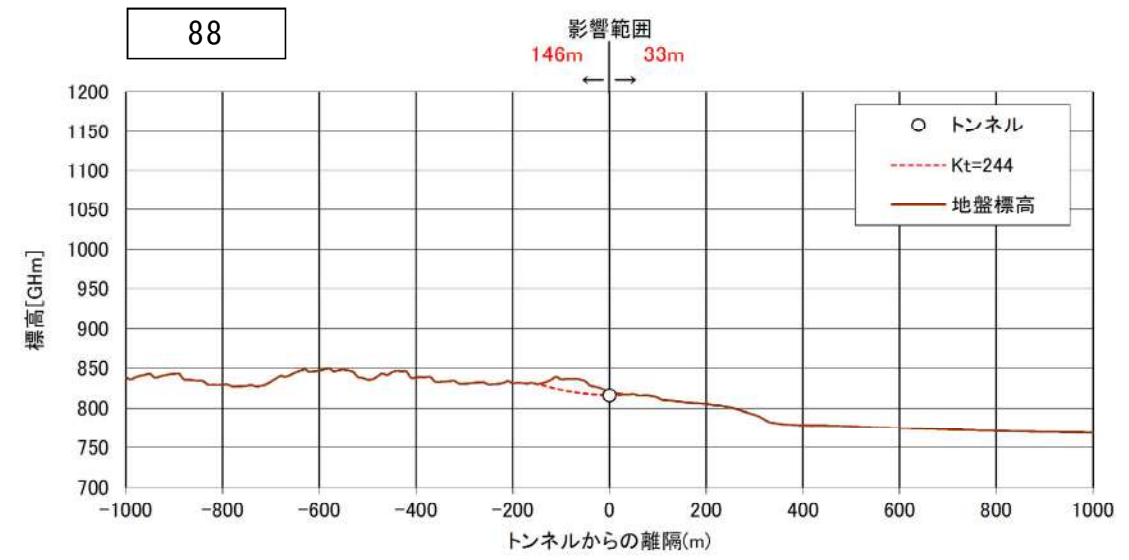
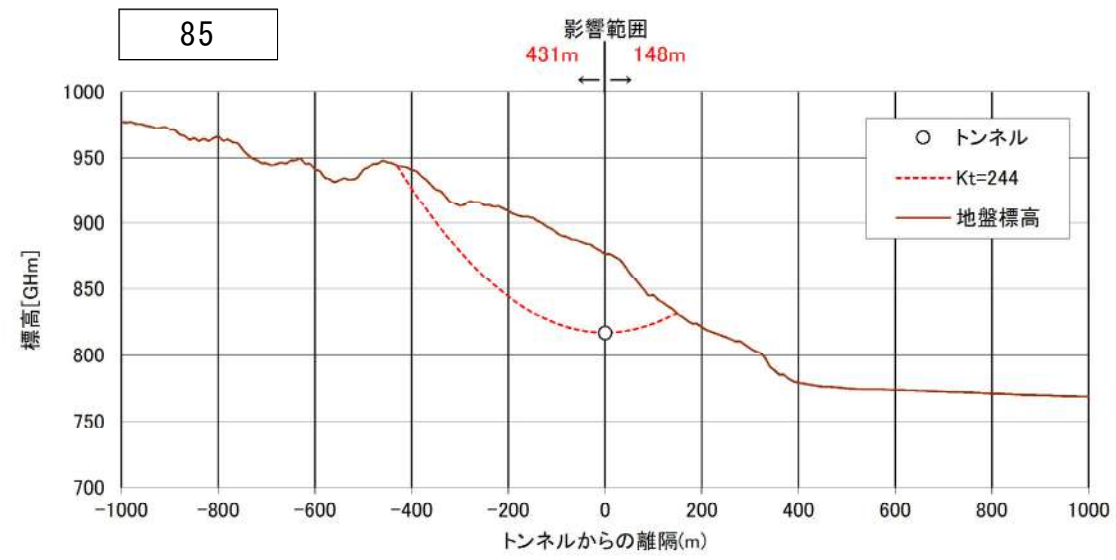
高橋の水文学的手法による集水範囲：上り線（13）



高橋の水文学的手法による集水範囲：上り線（14）

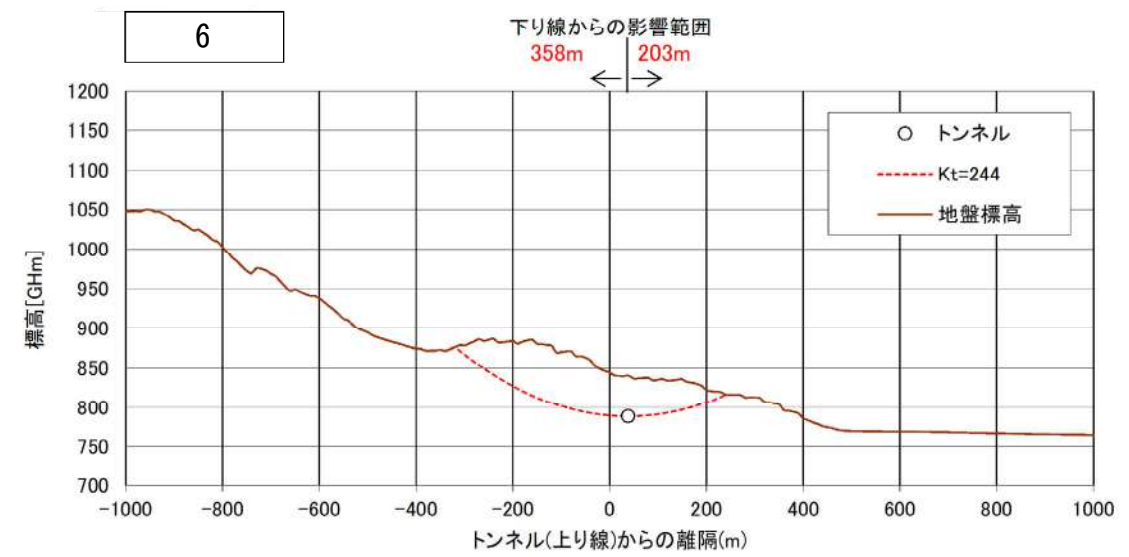
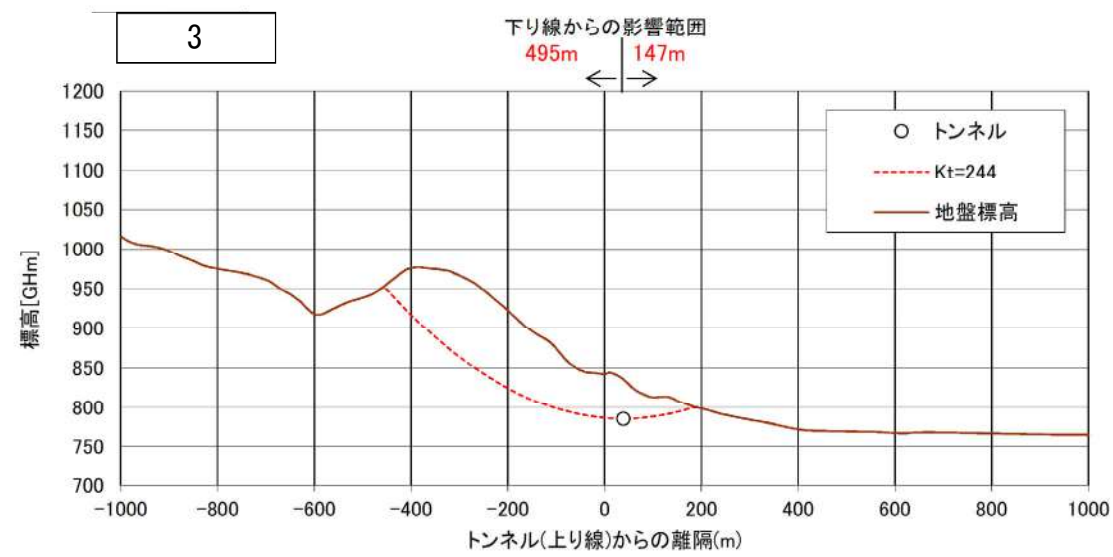
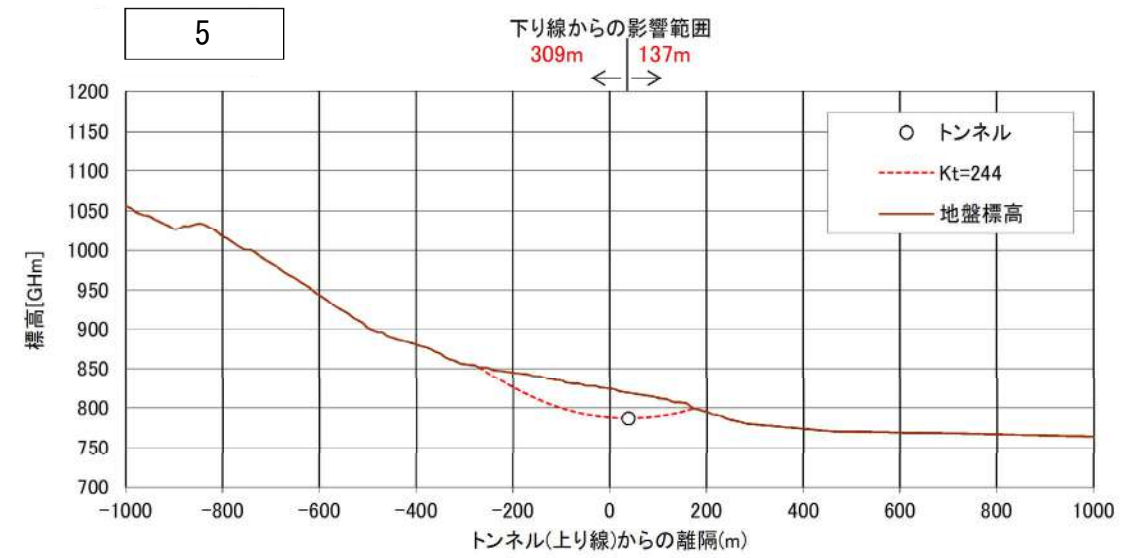
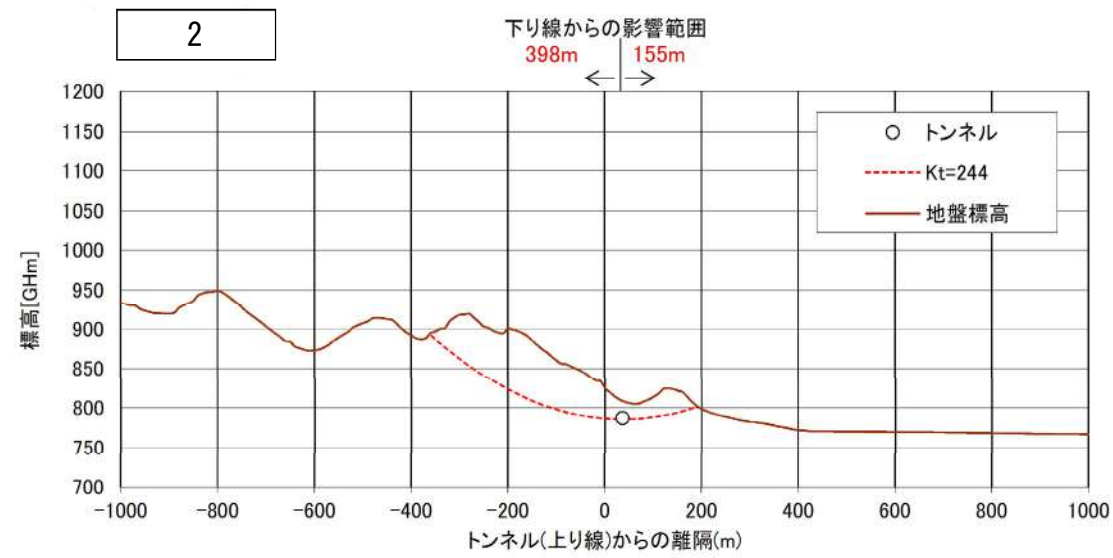
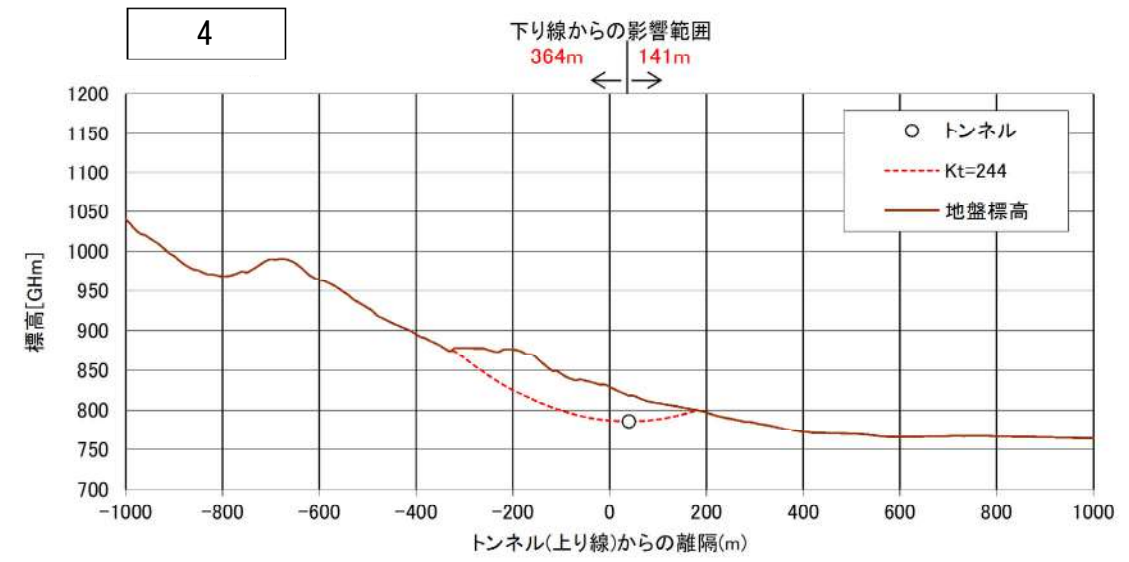
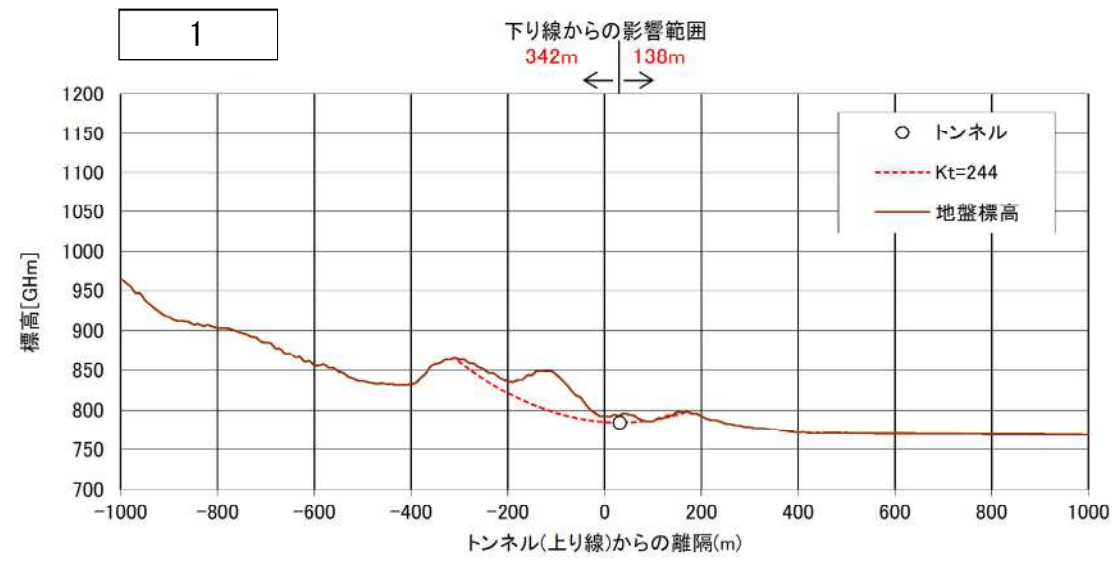


高橋の水文学的手法による集水範囲：上り線（15）

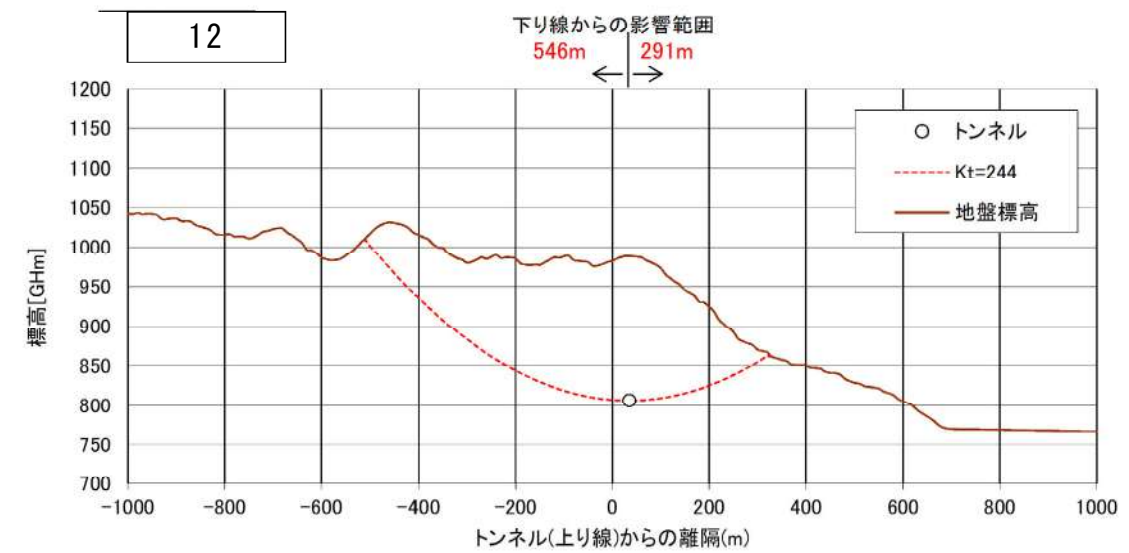
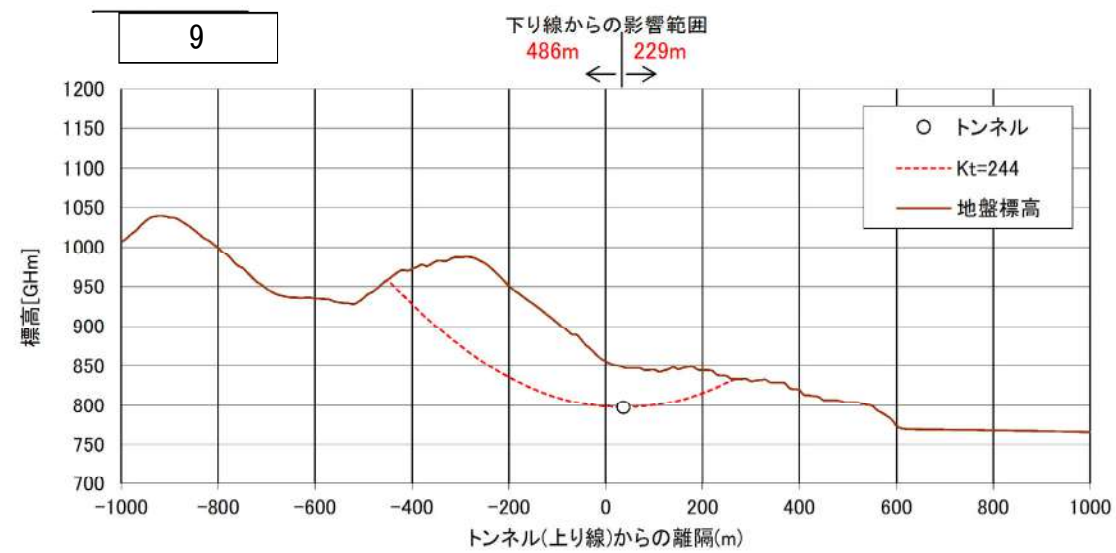
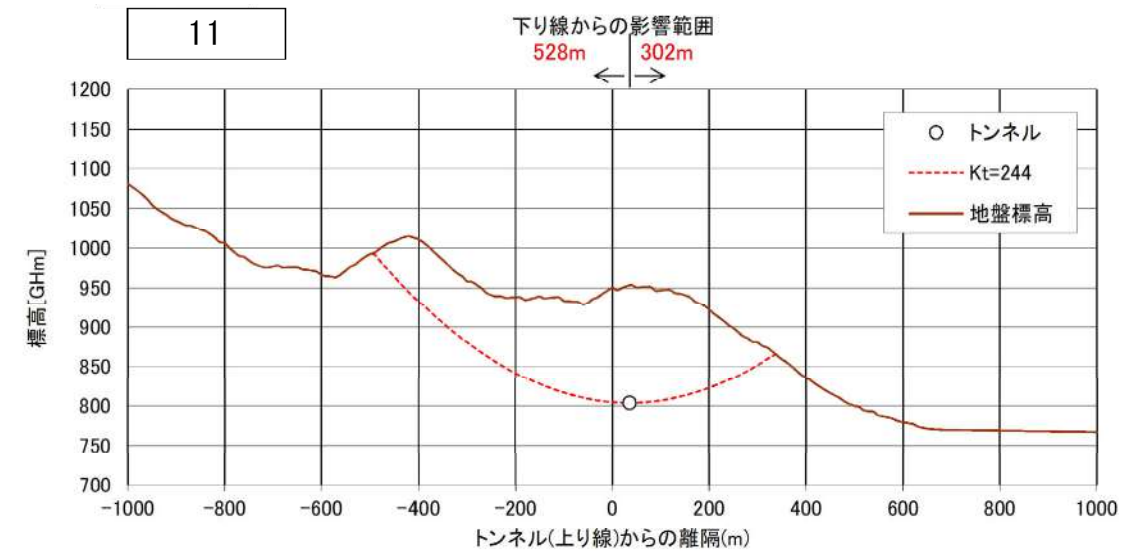
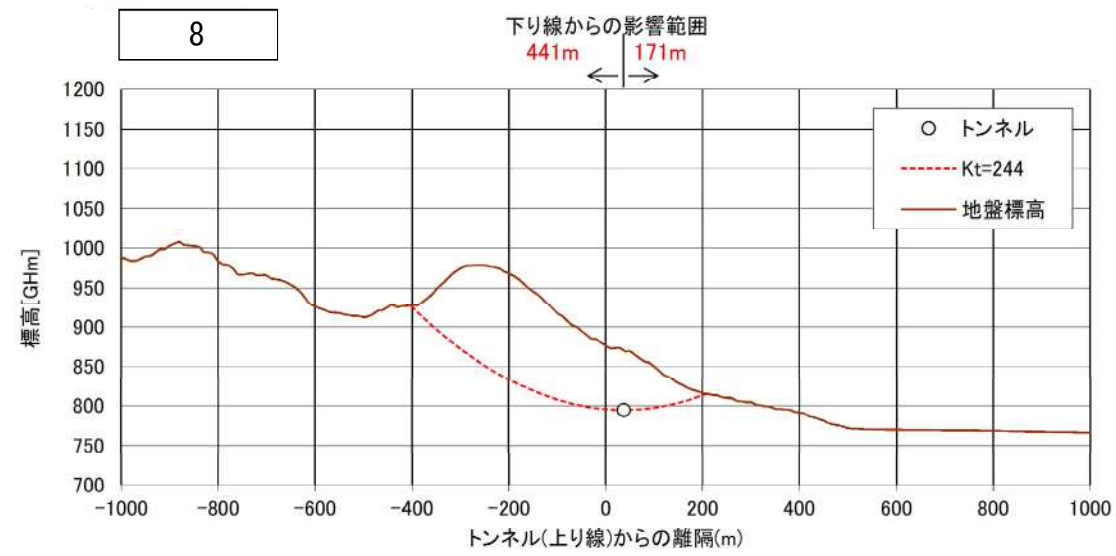
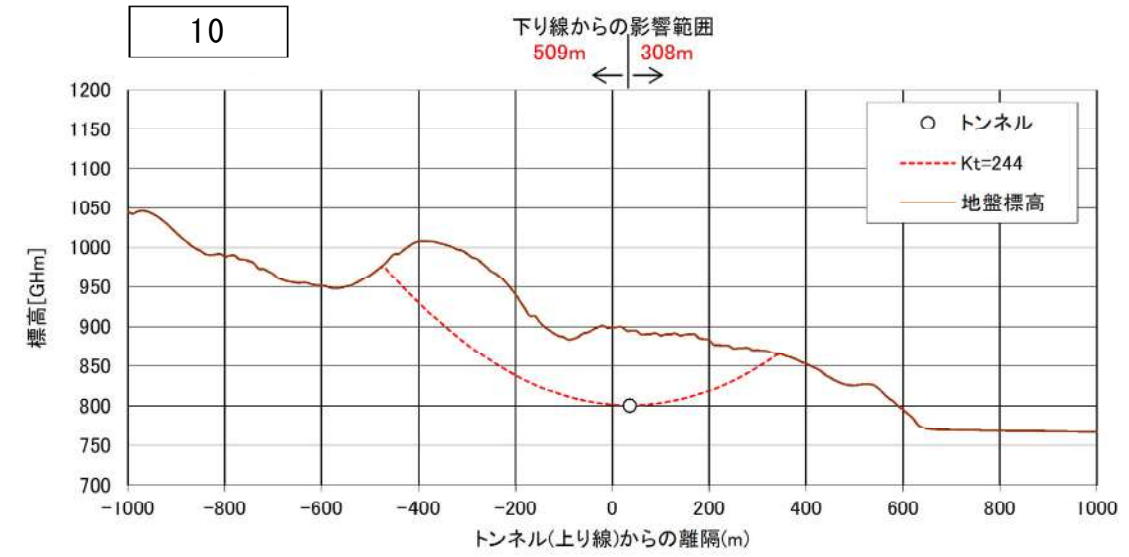
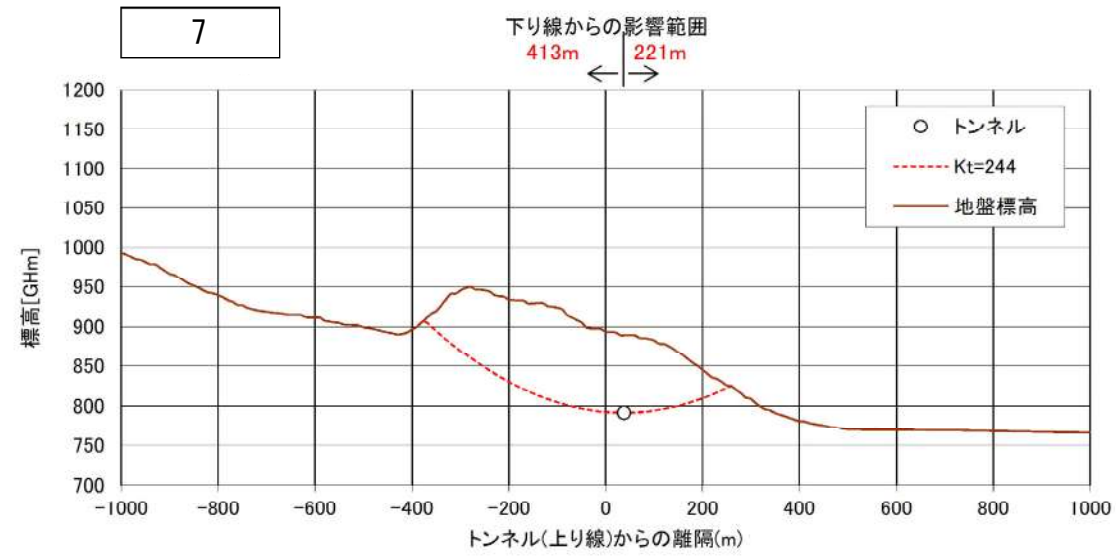




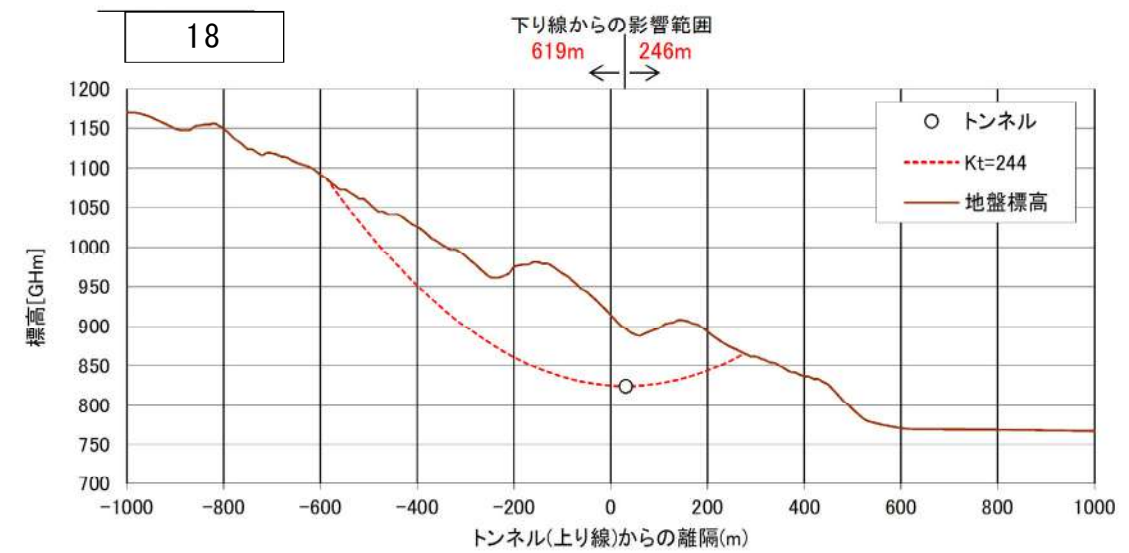
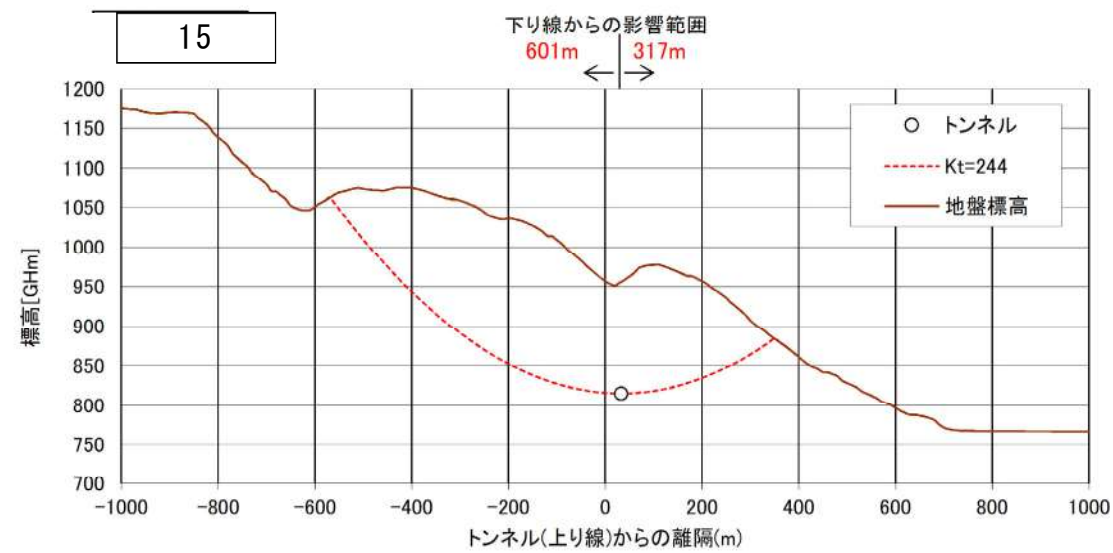
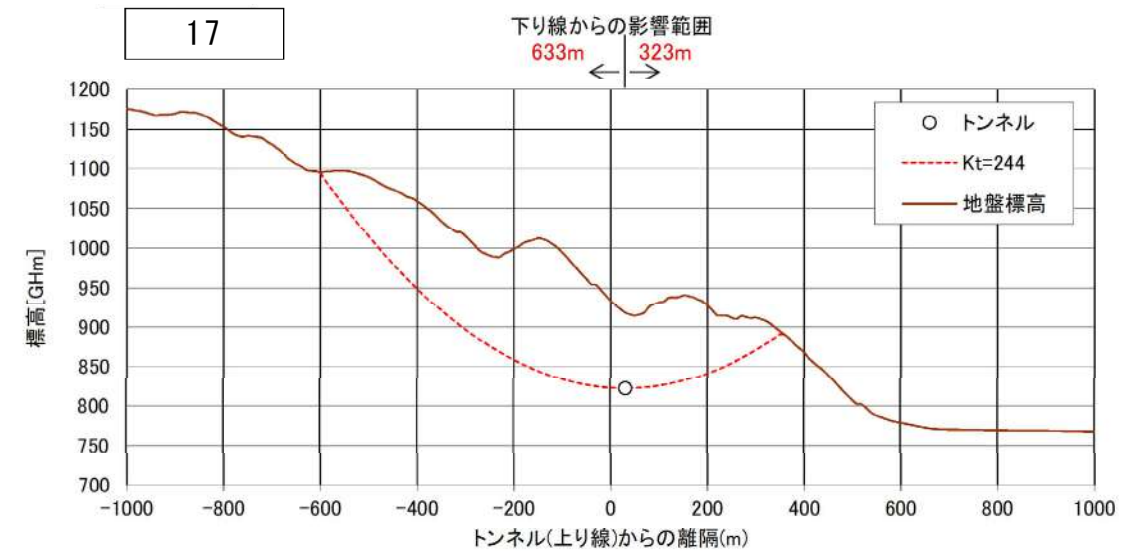
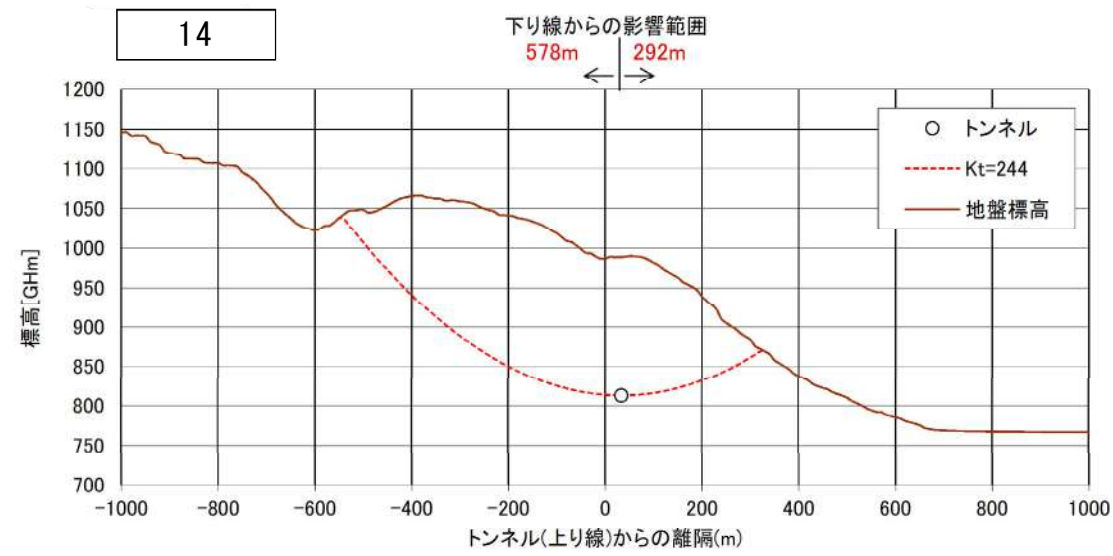
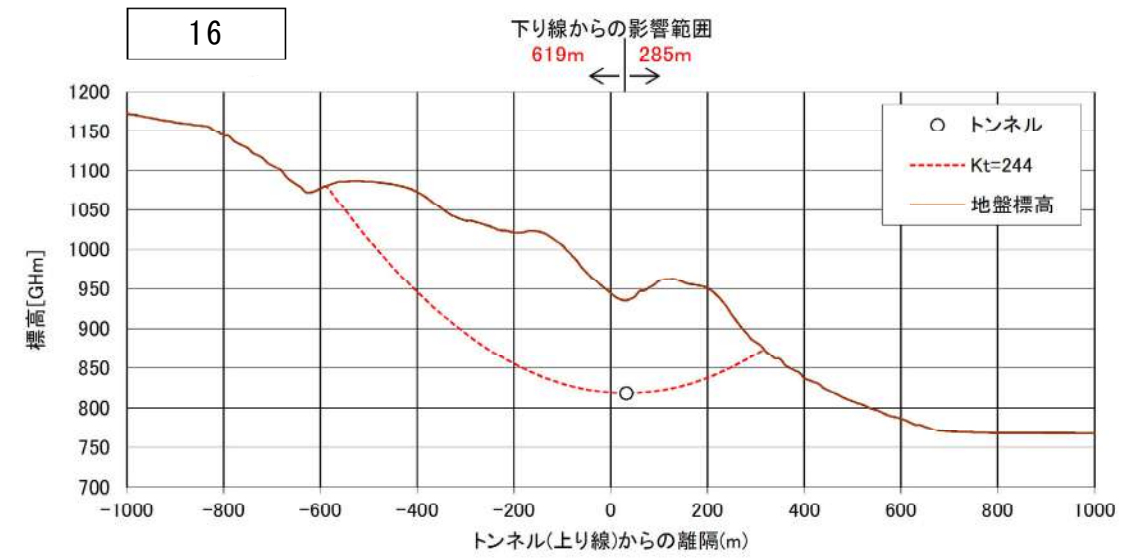
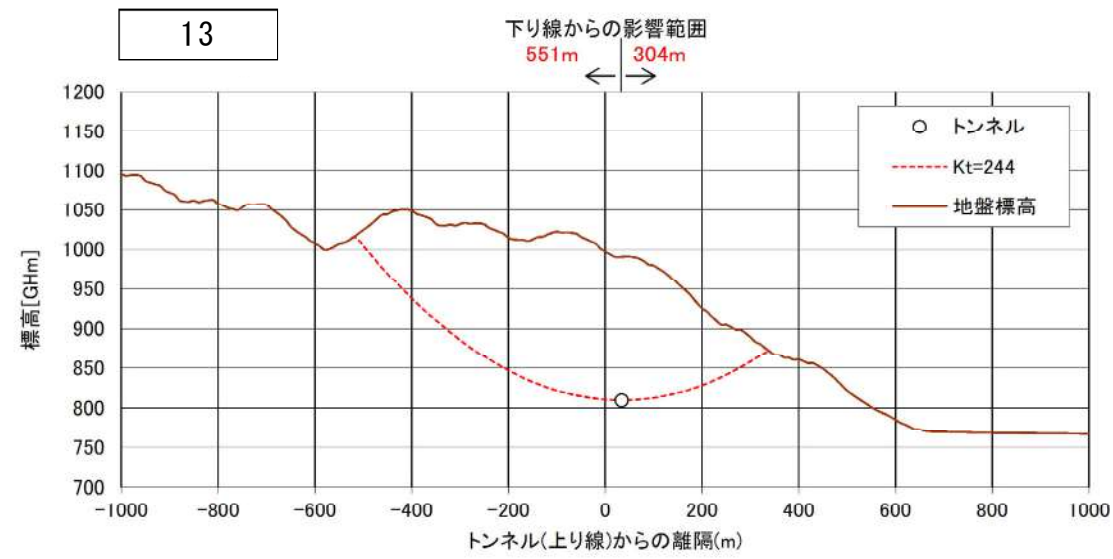
高橋の水文的手法による集水範囲：下り線（1）



高橋の水文学的手法による集水範囲：下り線（2）

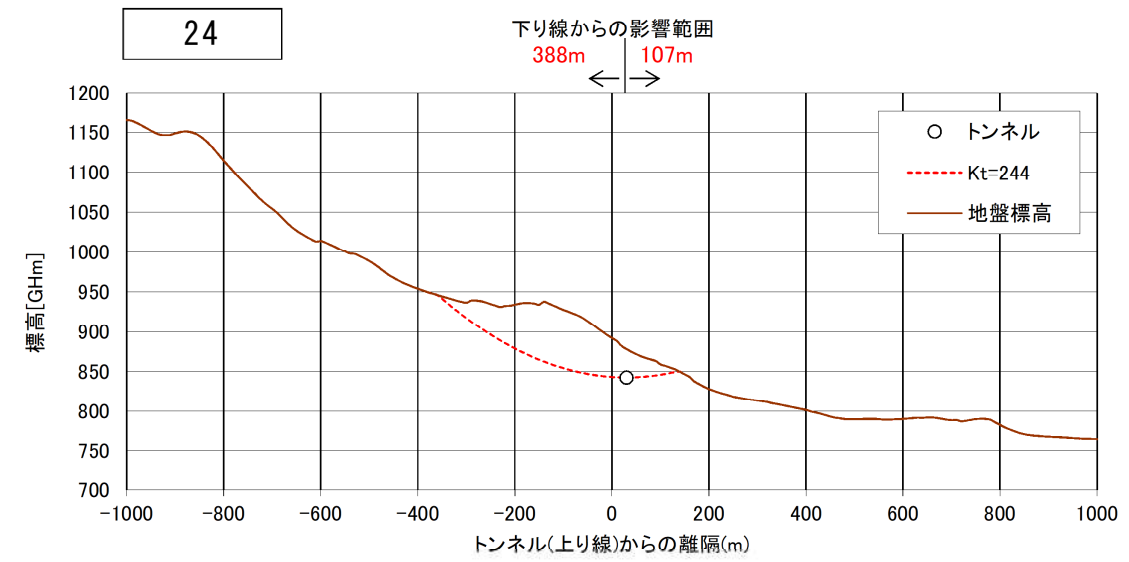
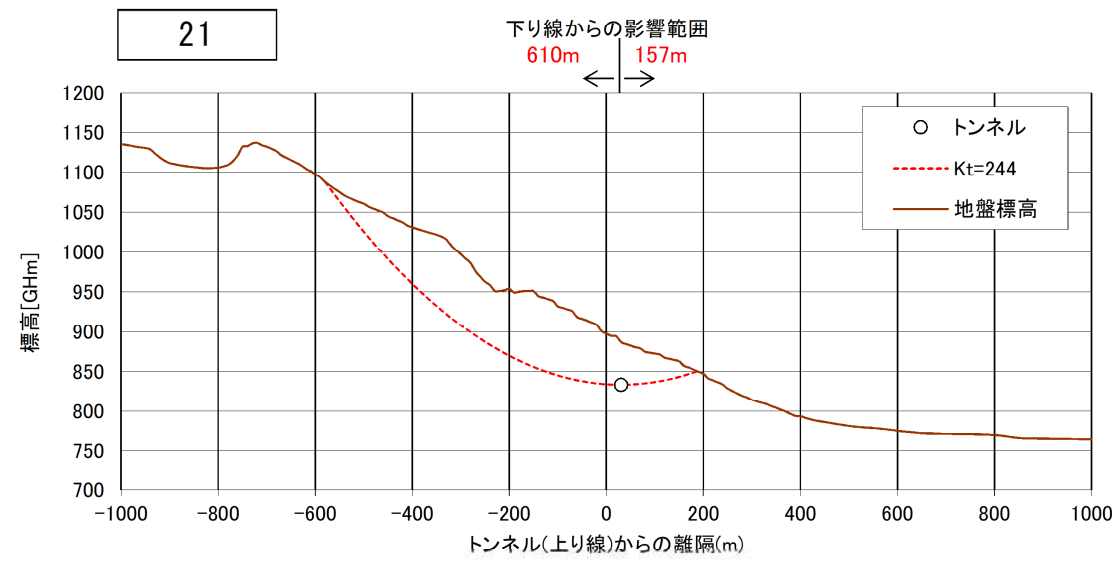
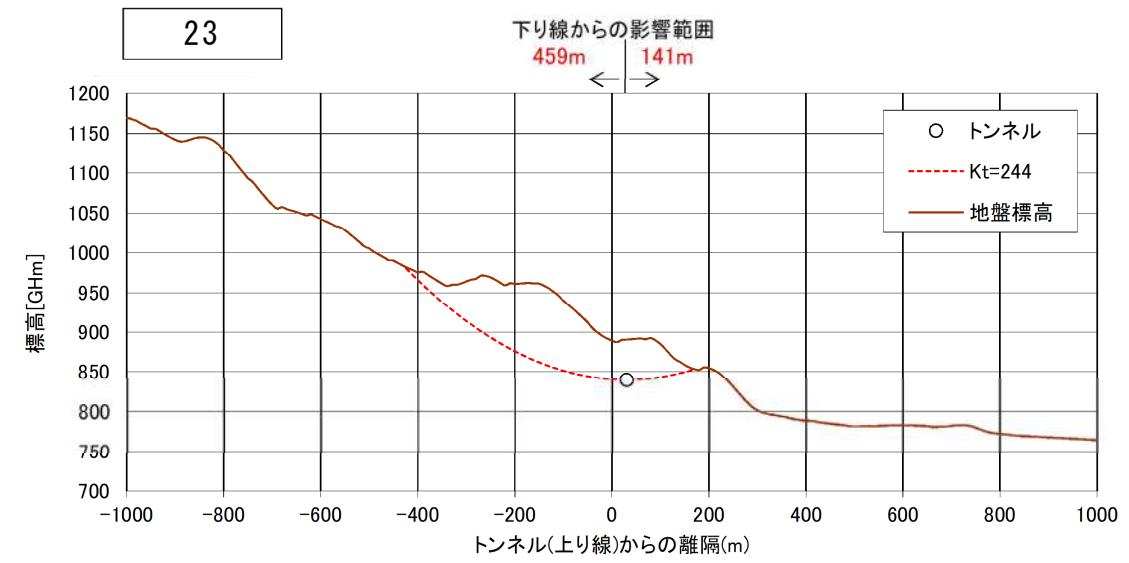
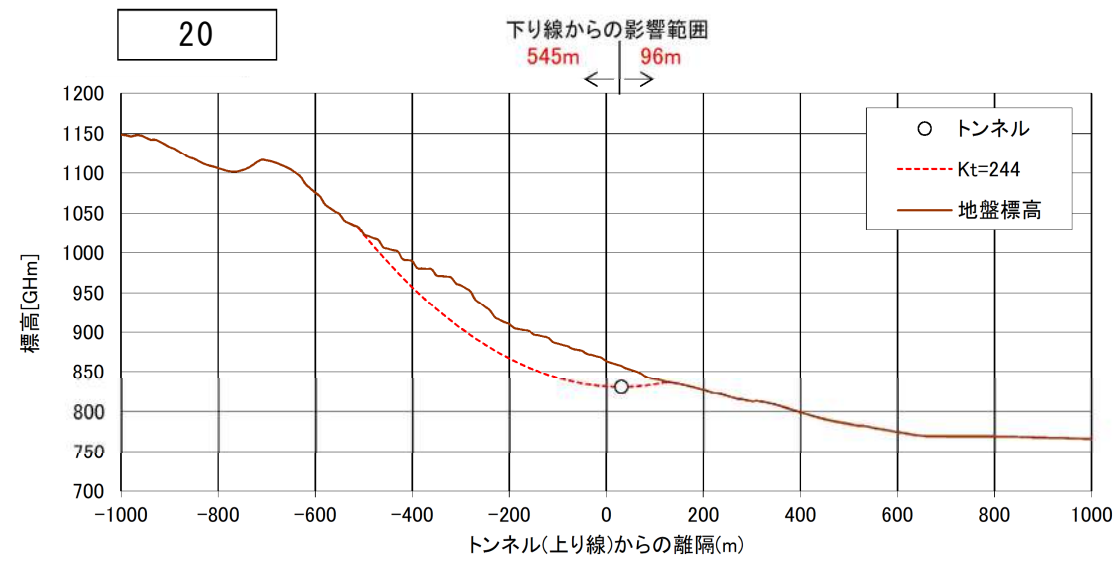
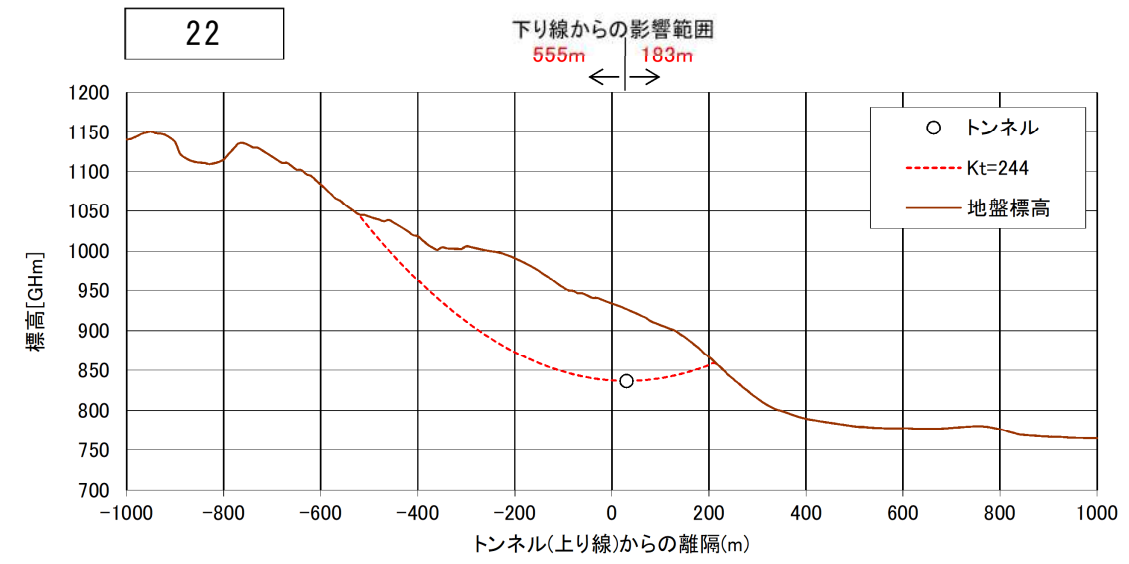
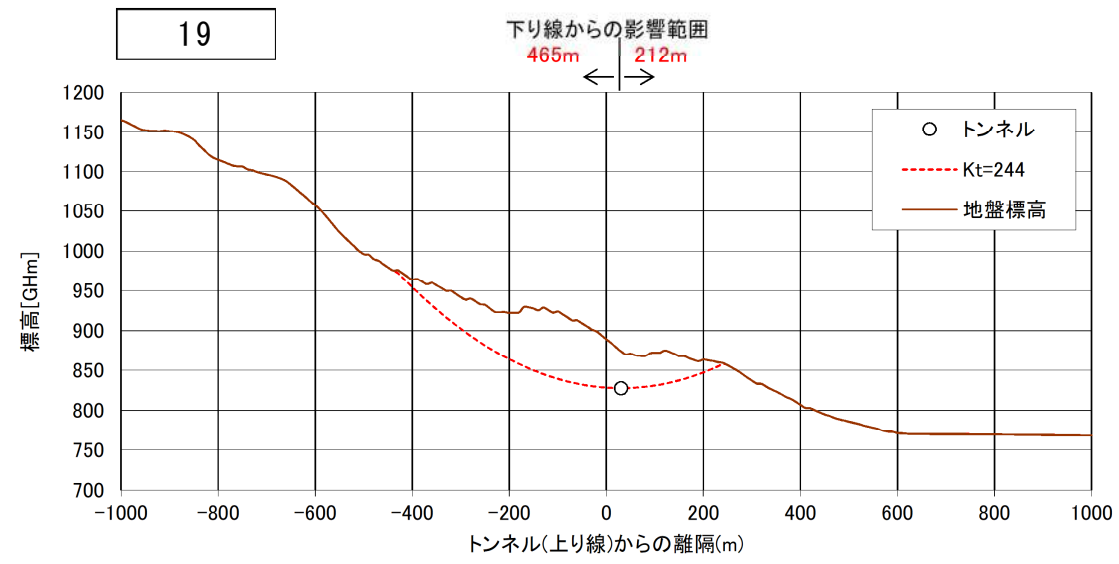


高橋の水文学的手法による集水範囲：下り線（3）

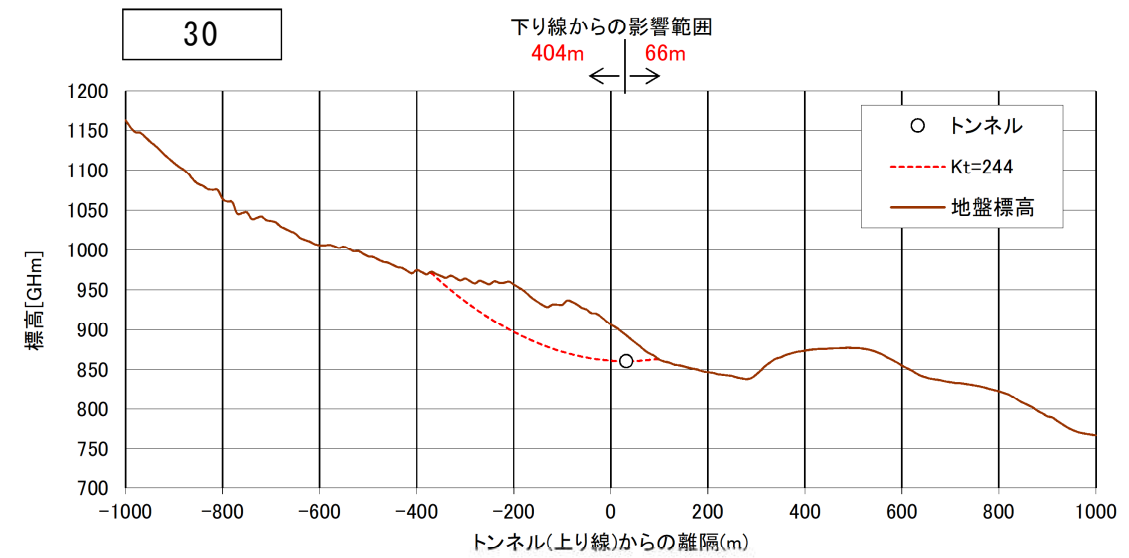
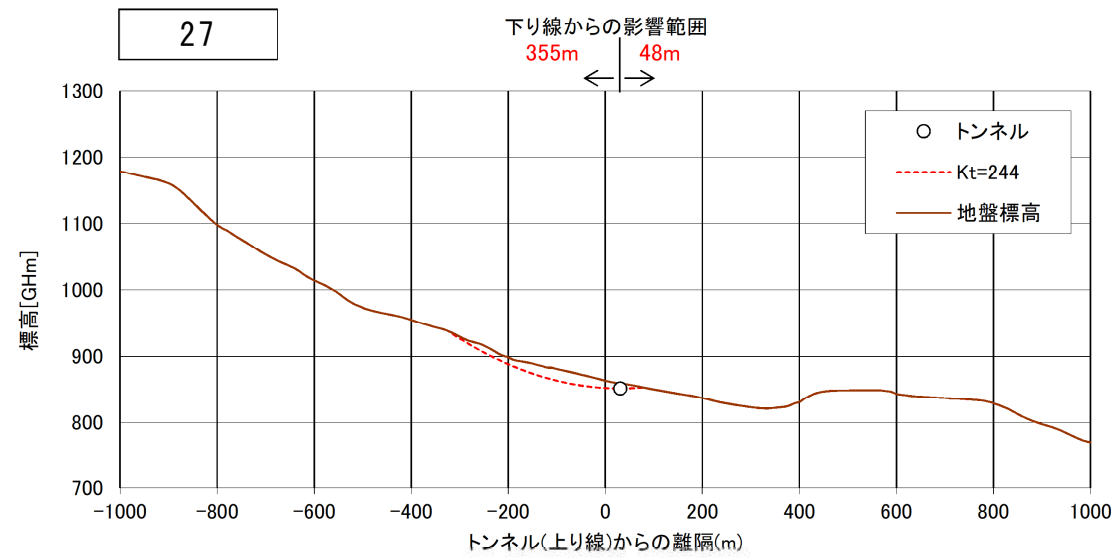
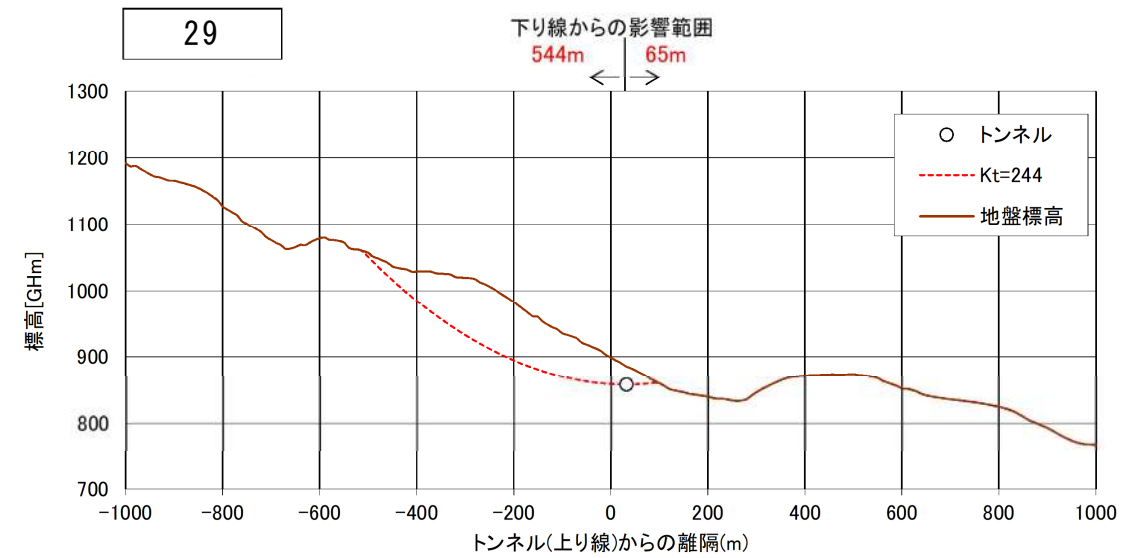
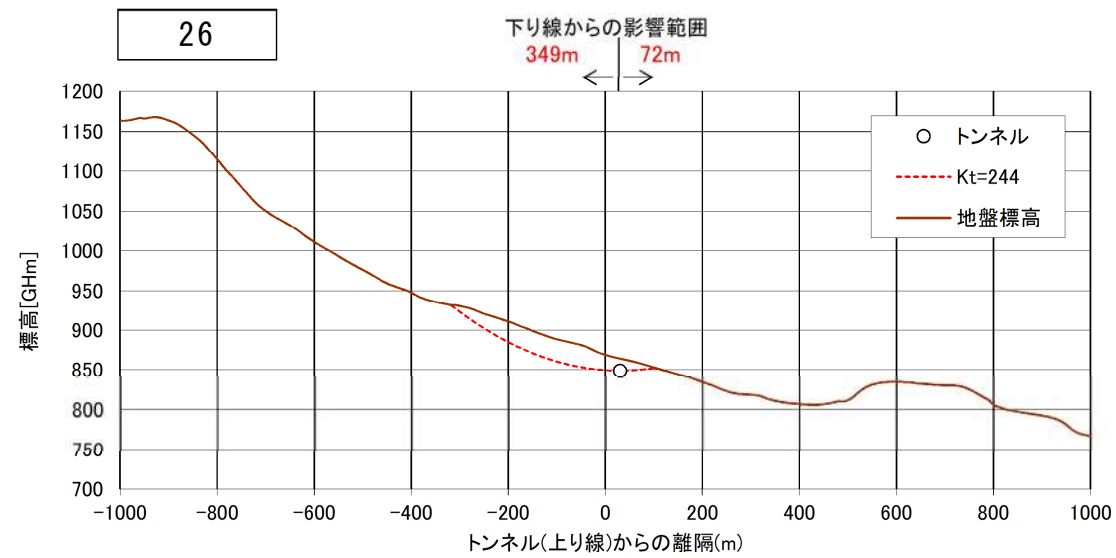
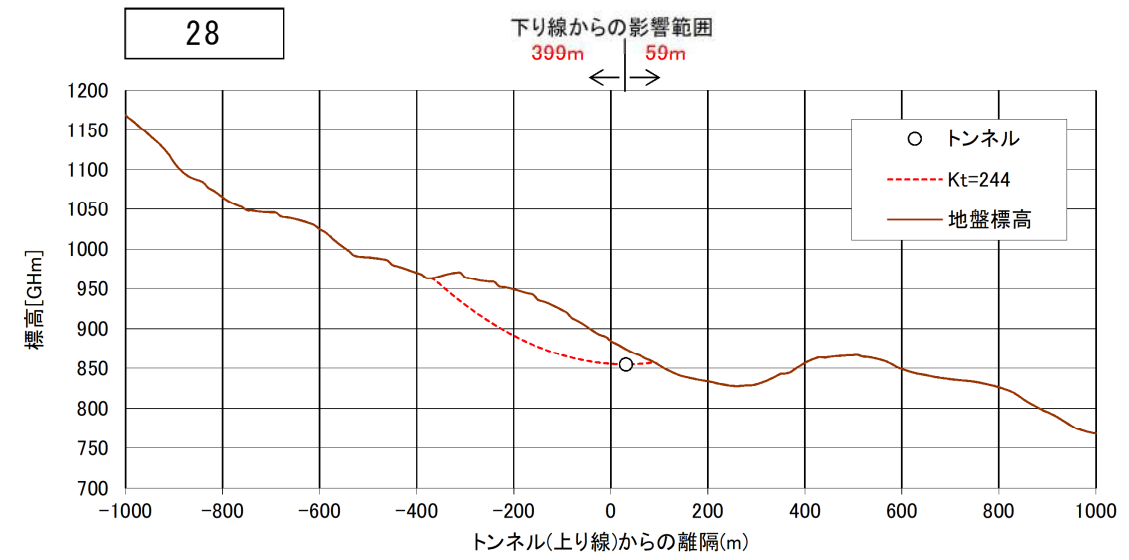
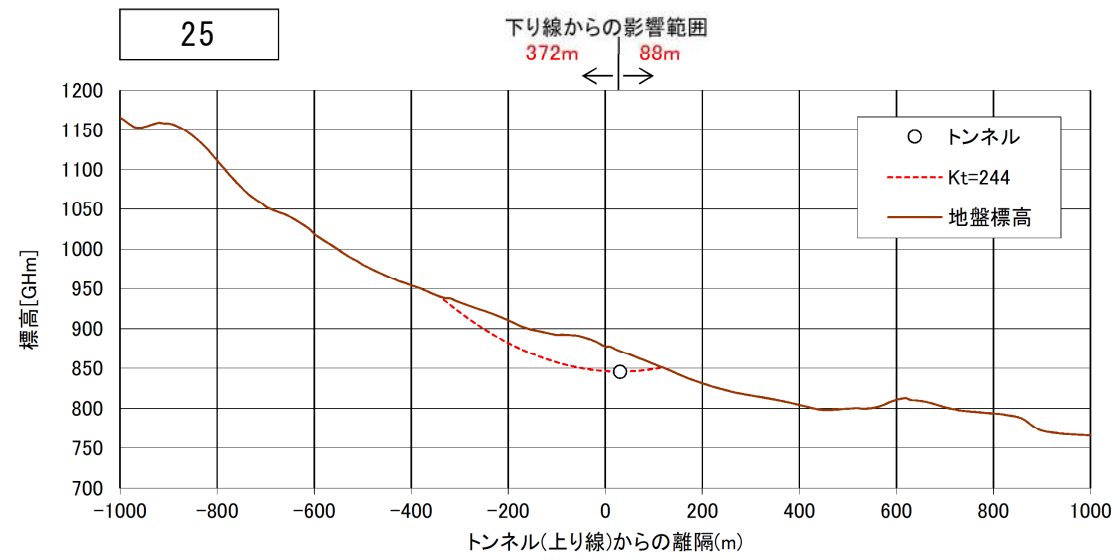




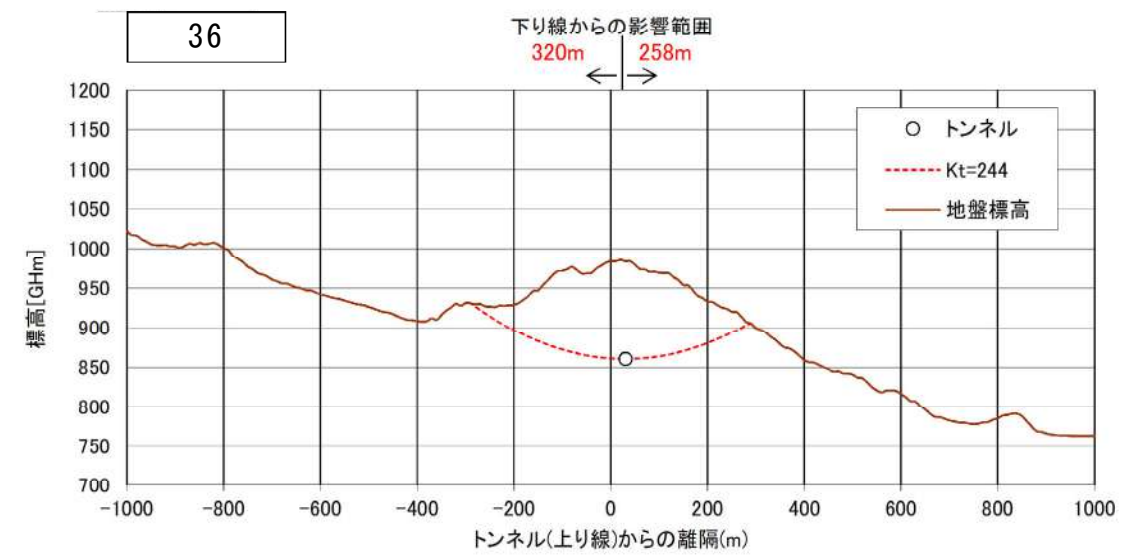
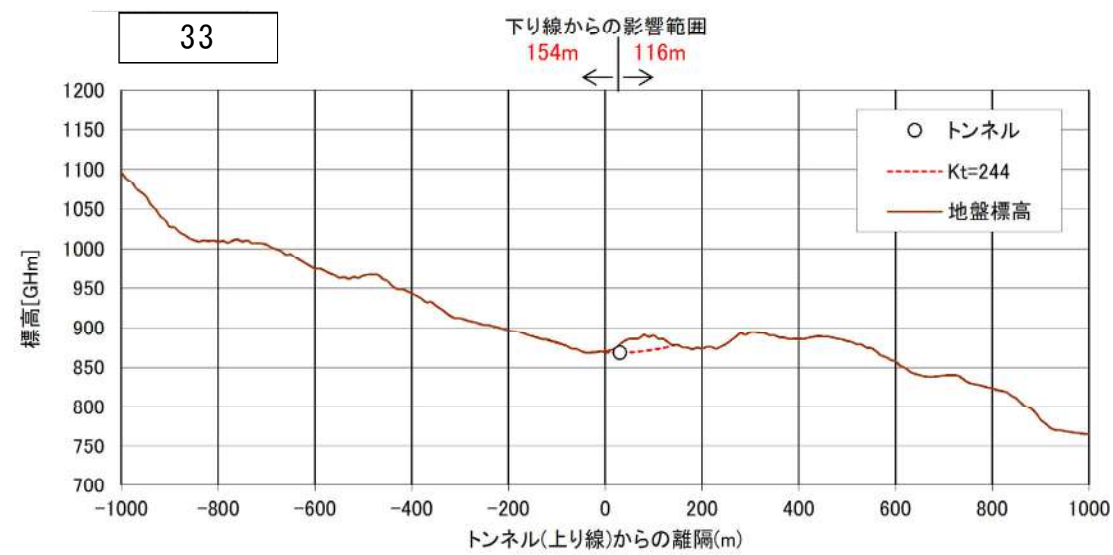
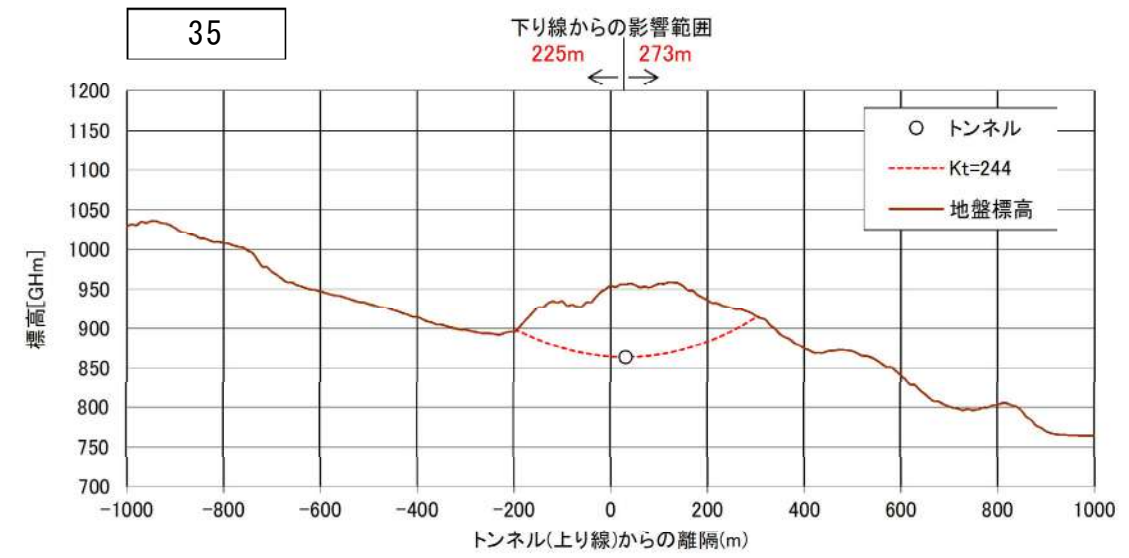
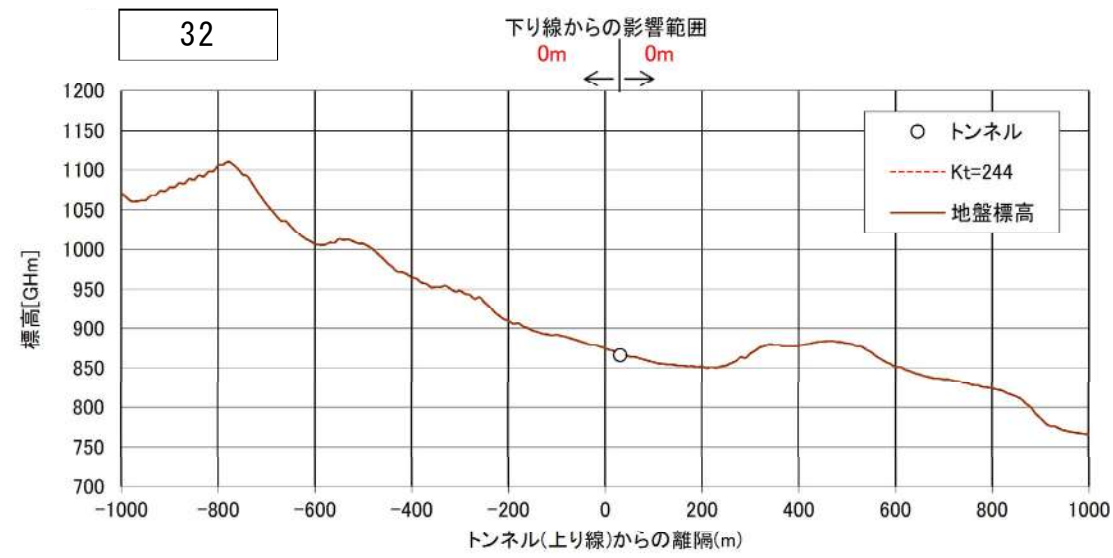
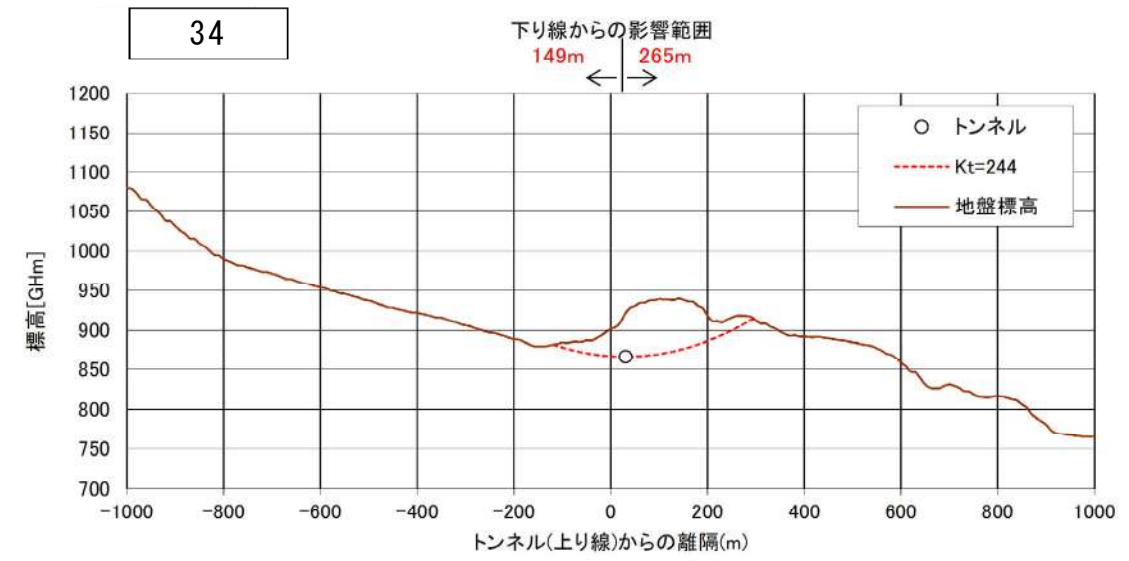
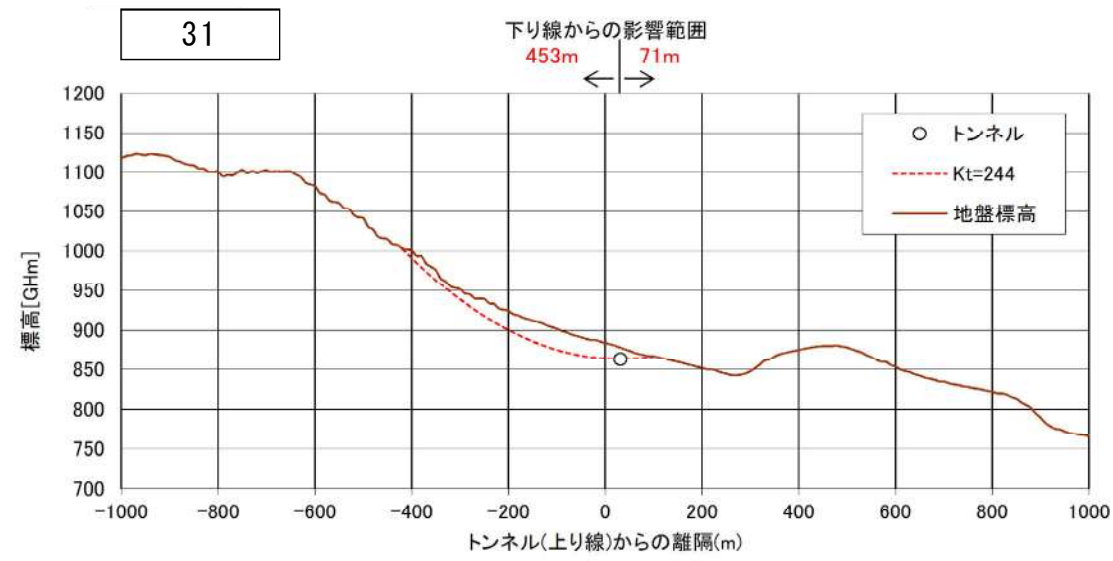
高橋の水文学的手法による集水範囲：下り線（４）



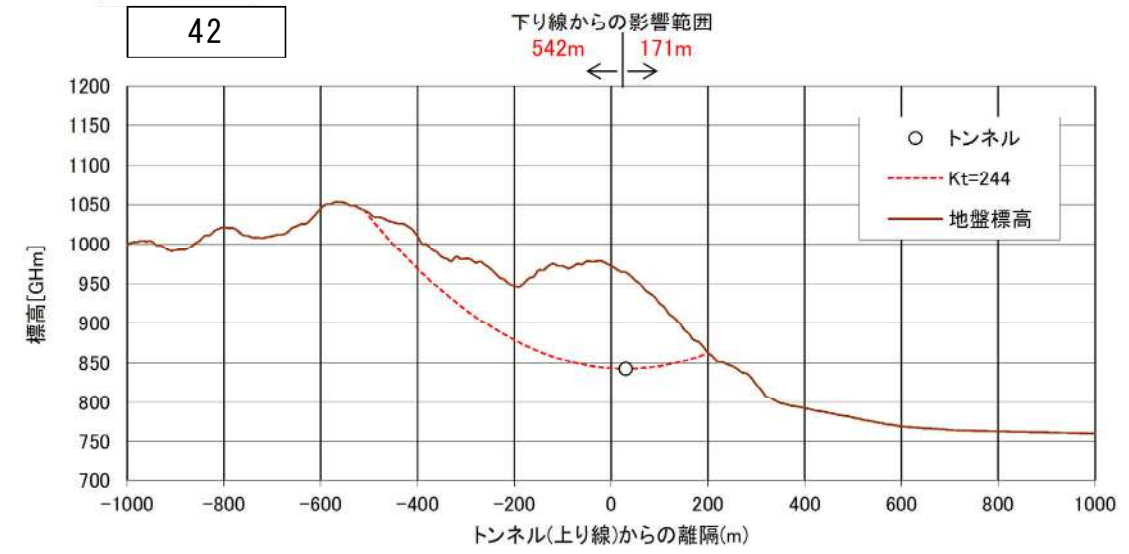
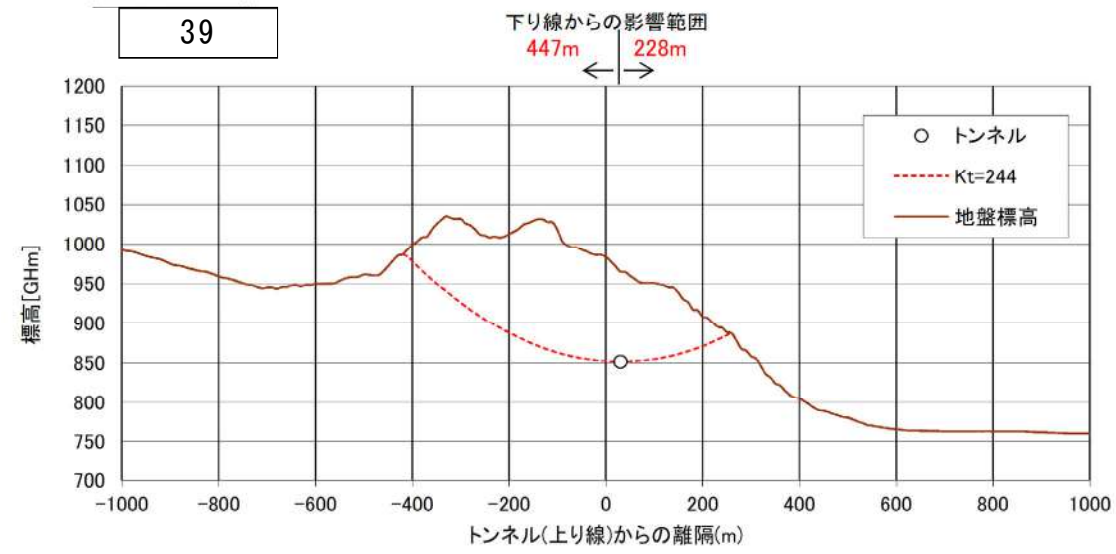
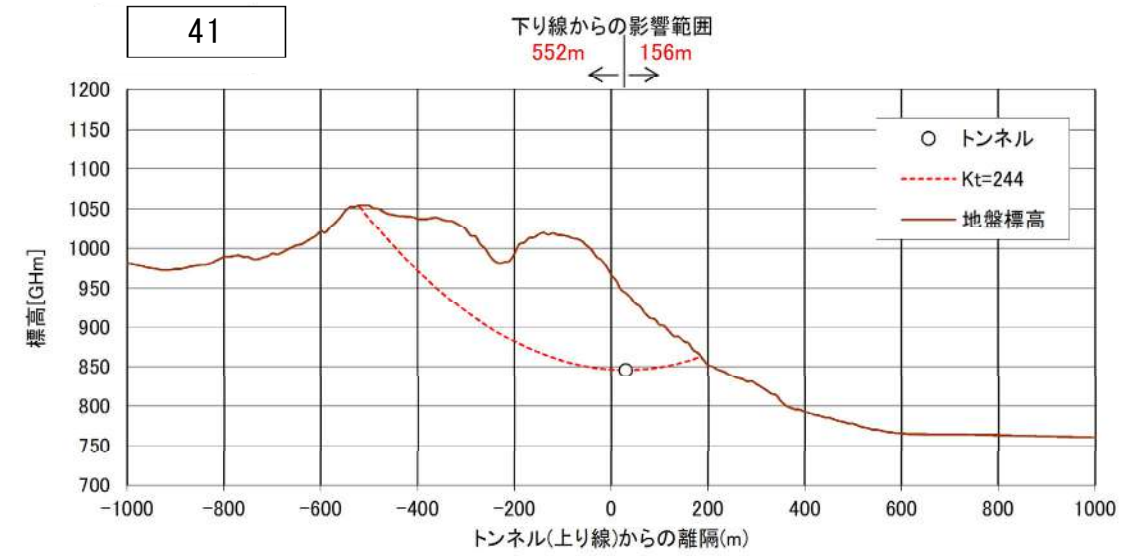
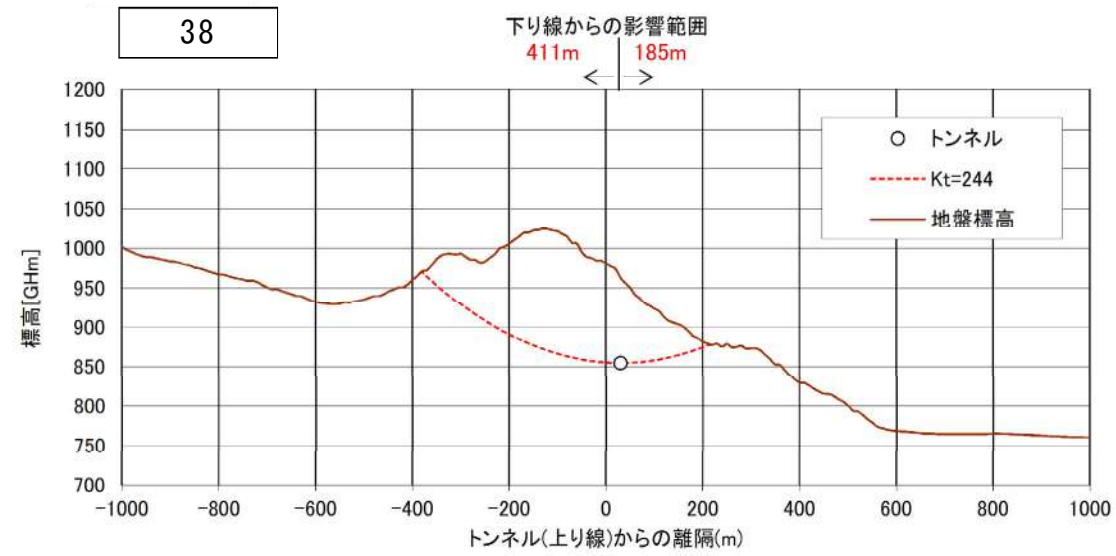
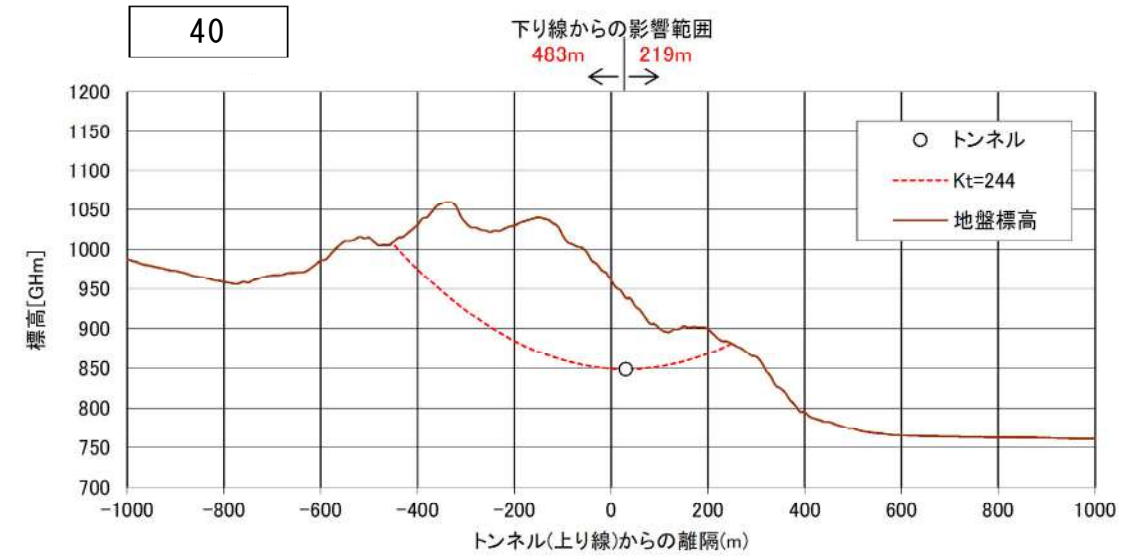
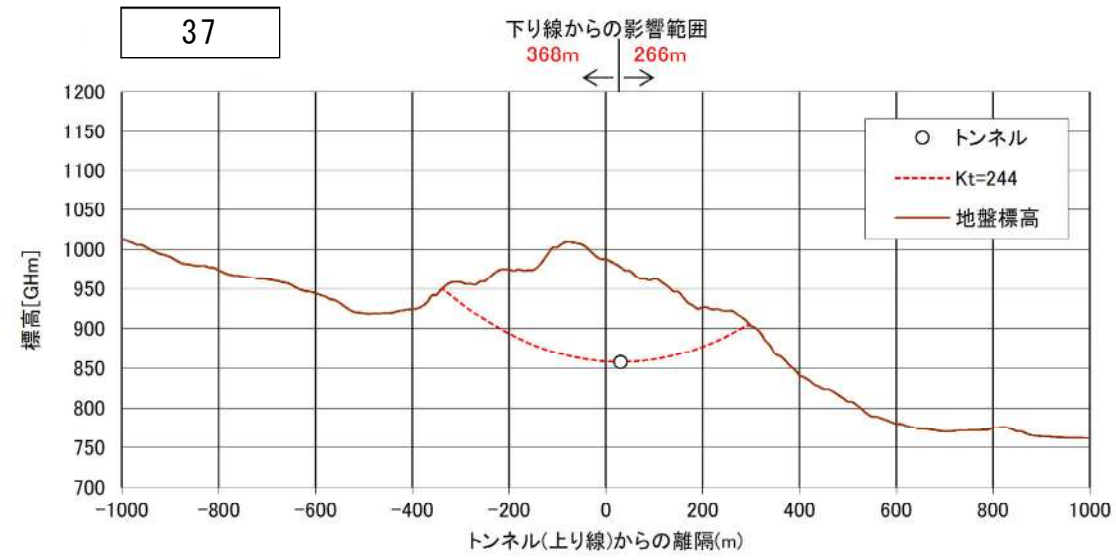
高橋の水文学的手法による集水範囲：下り線（5）



高橋の水文学的手法による集水範囲：下り線（6）

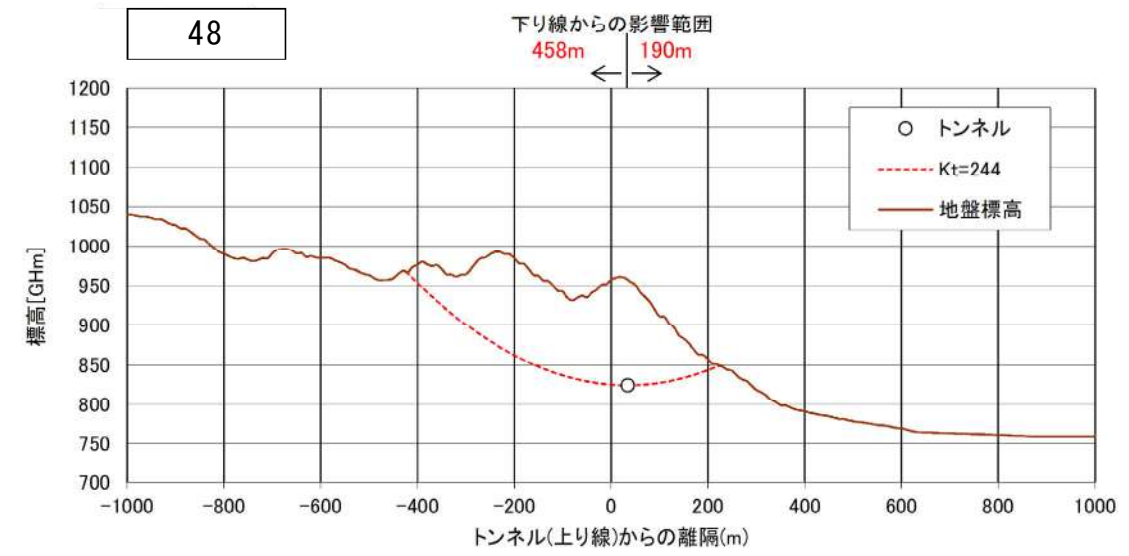
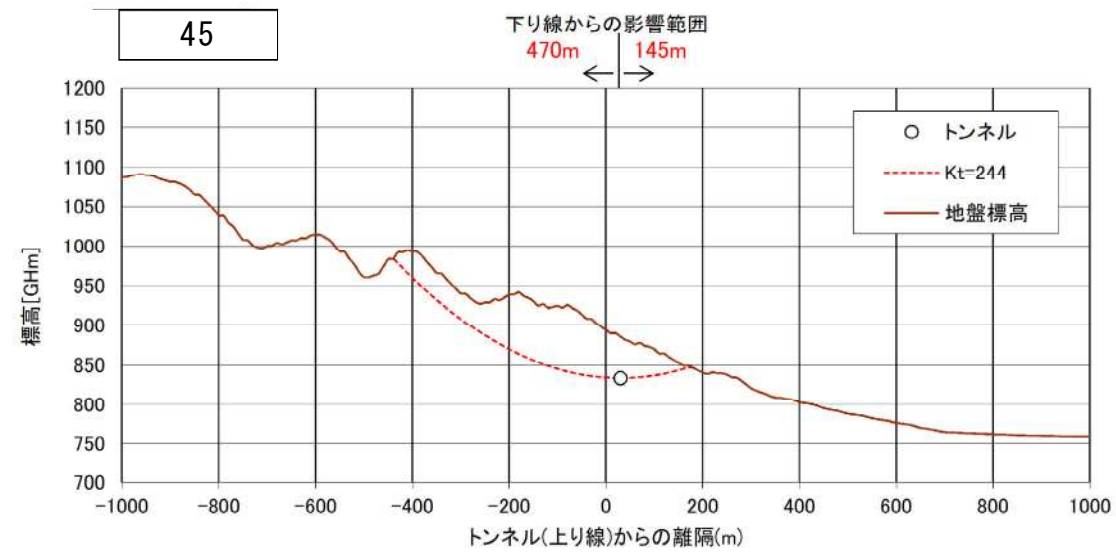
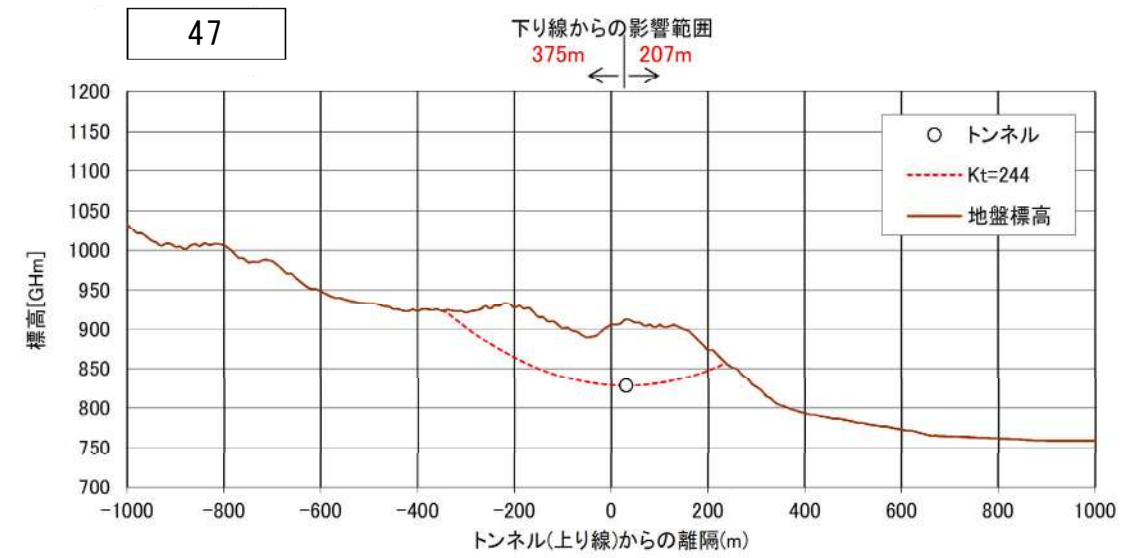
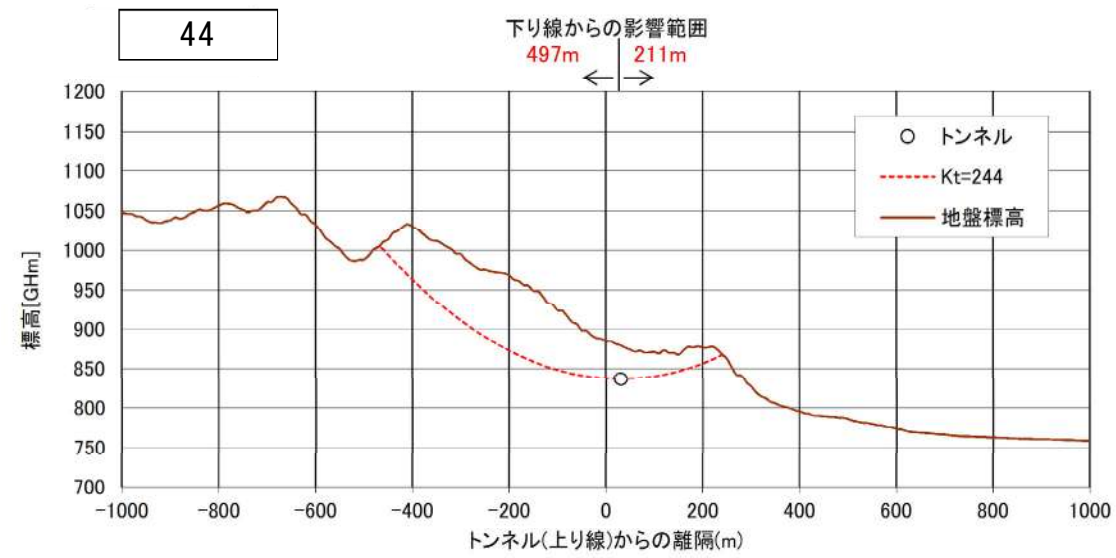
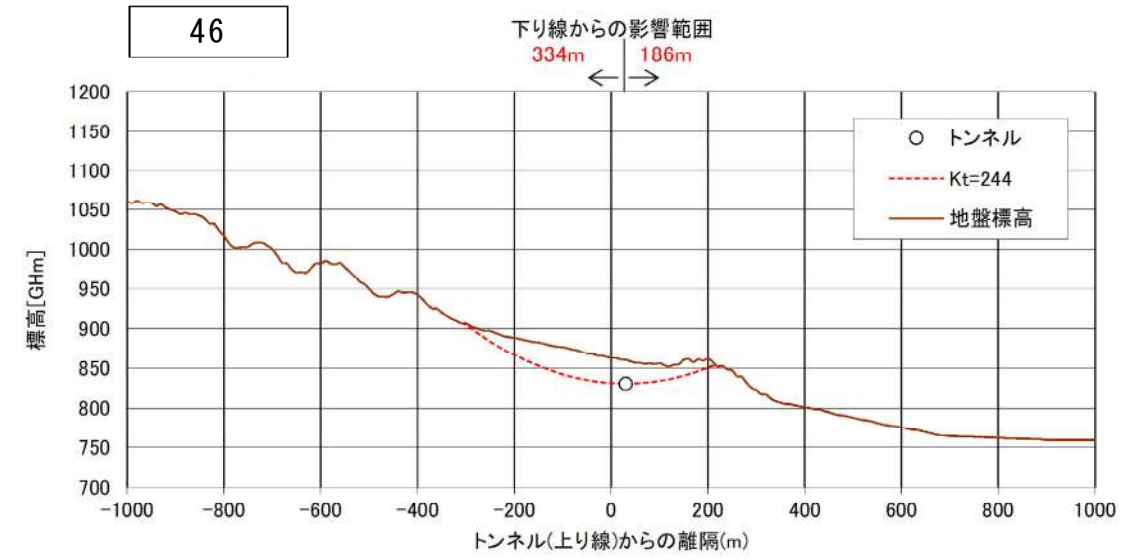
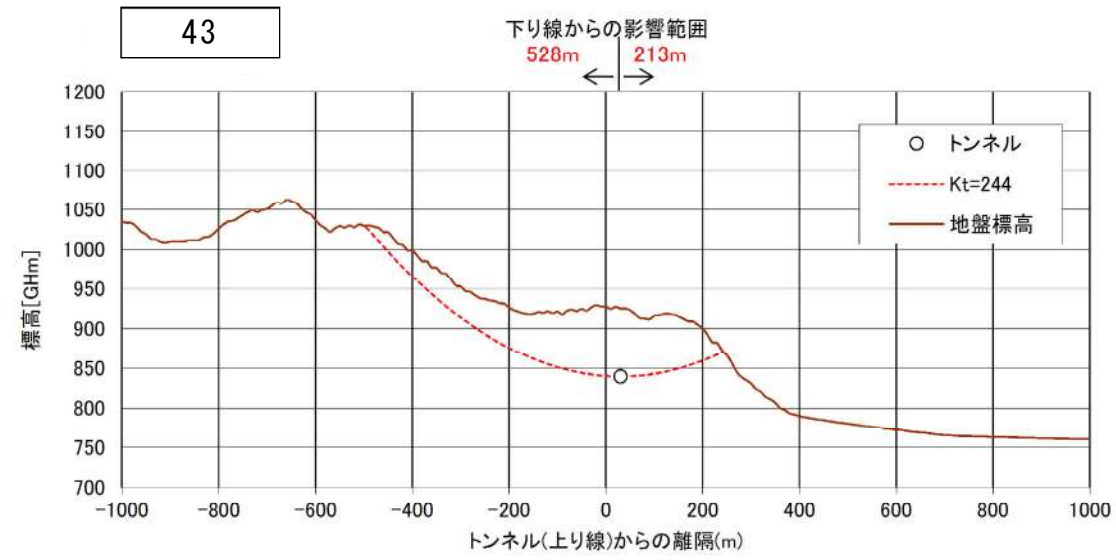


高橋の水文学的手法による集水範囲：下り線（7）

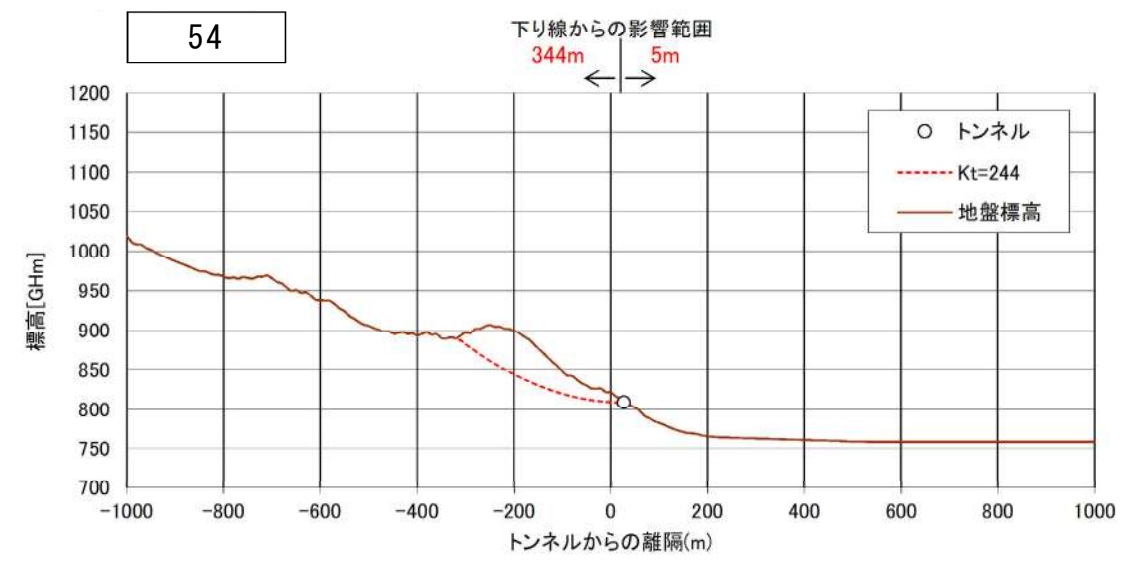
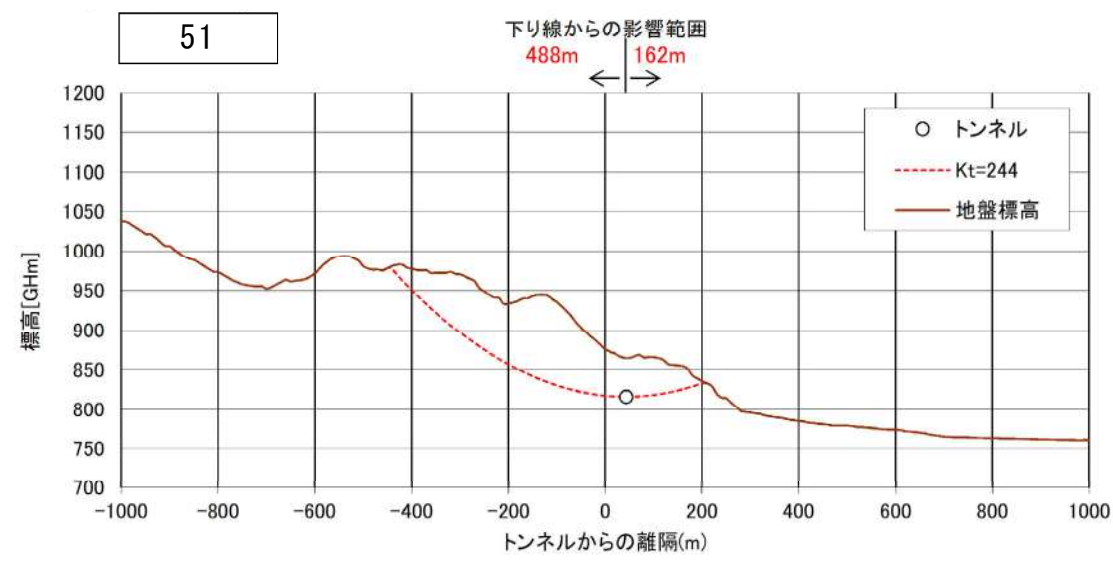
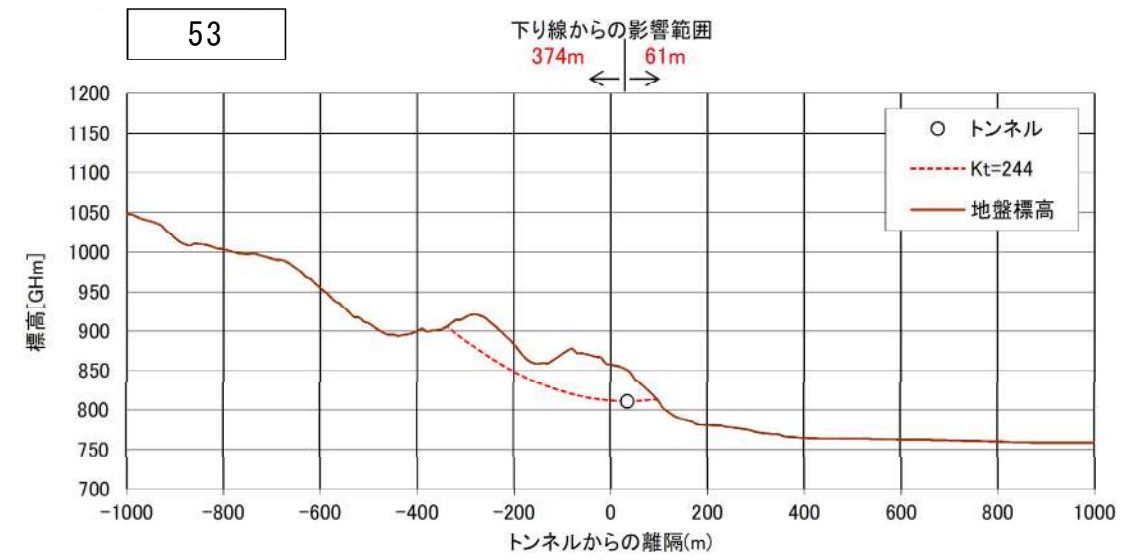
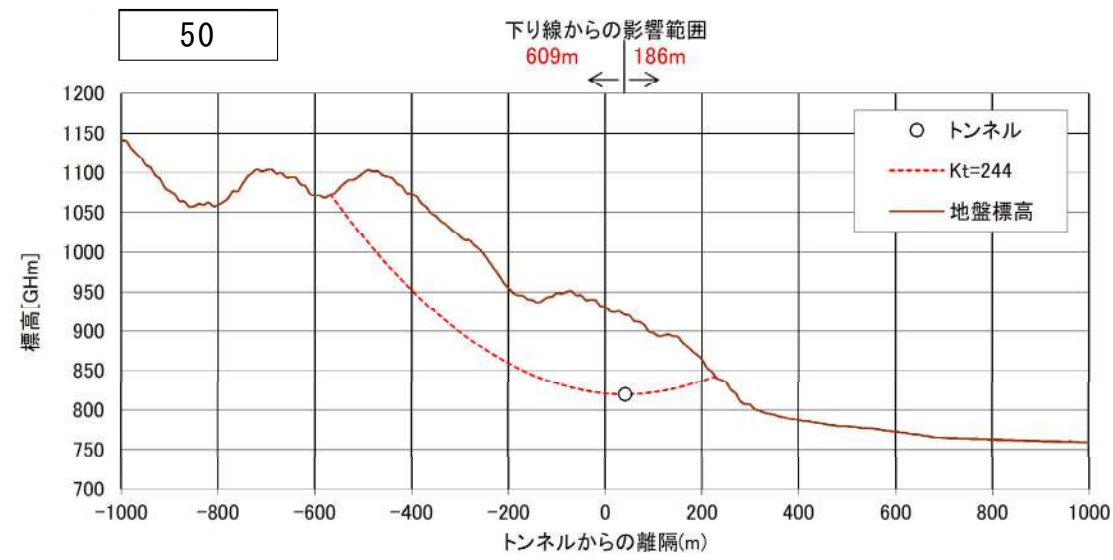
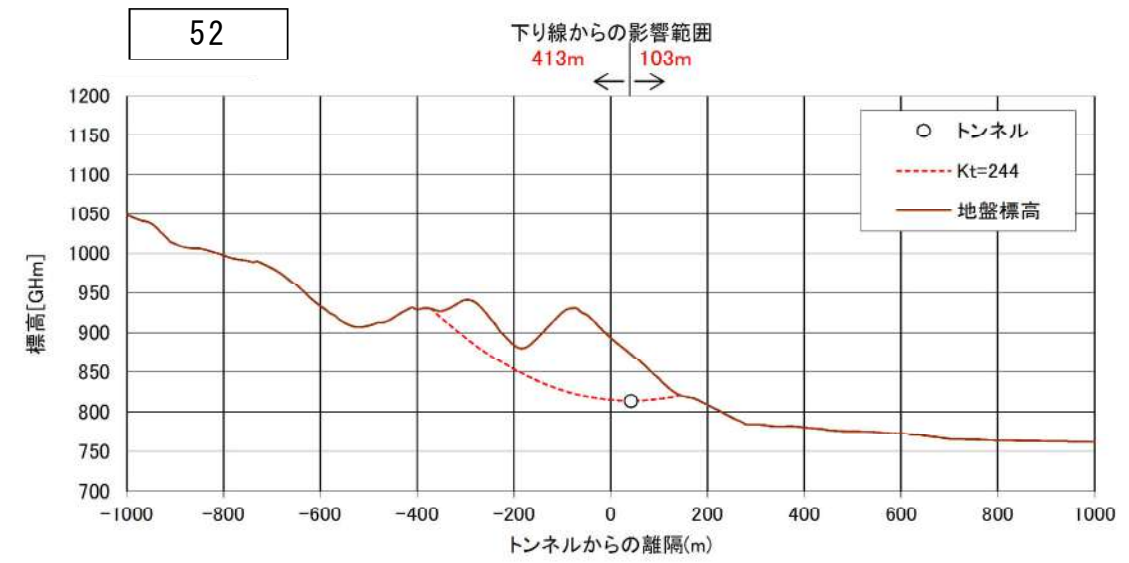
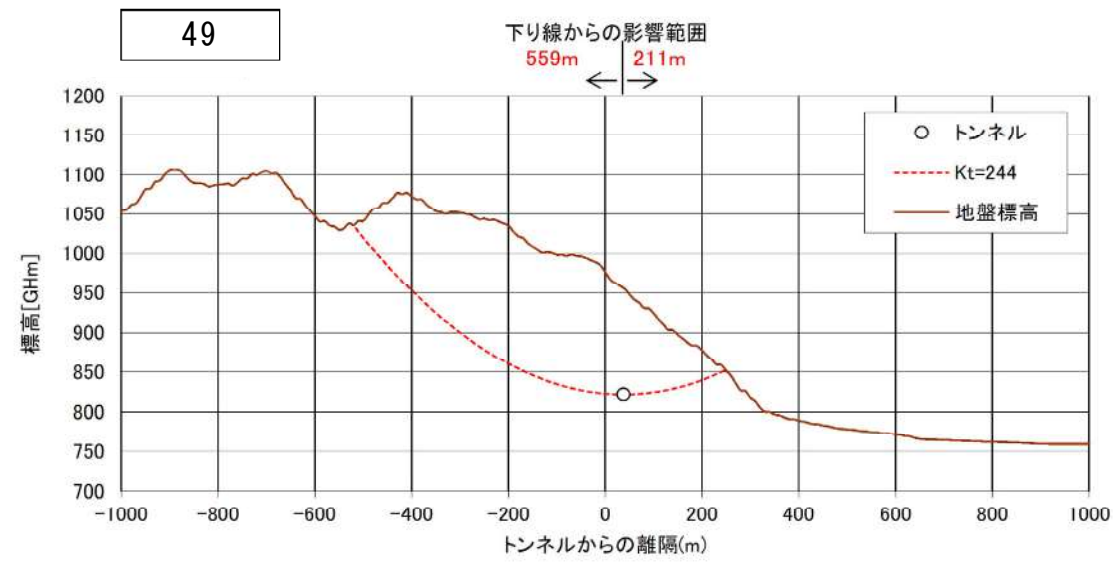




高橋の水文学的手法による集水範囲：下り線（8）

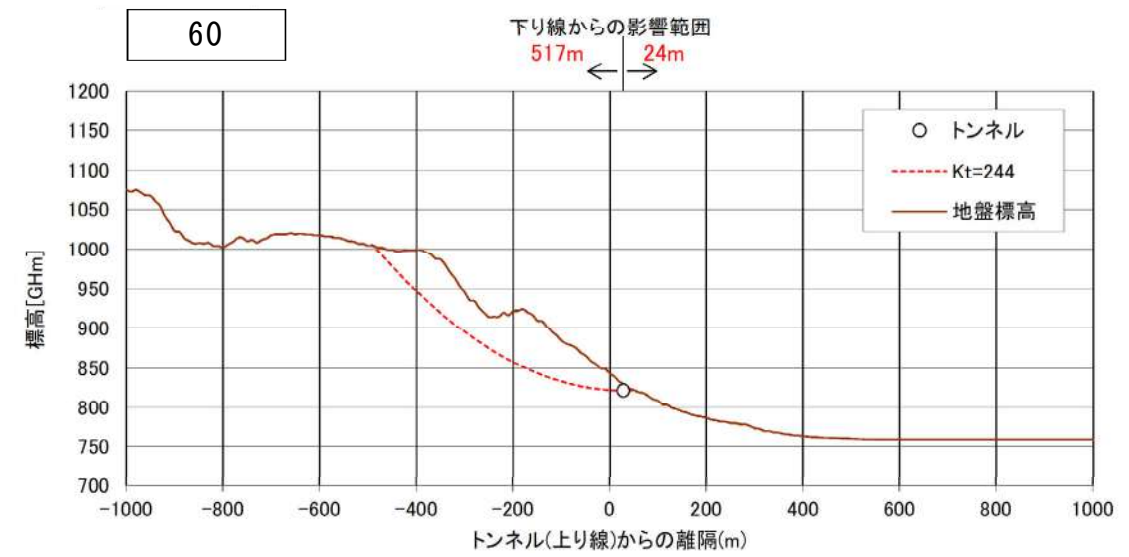
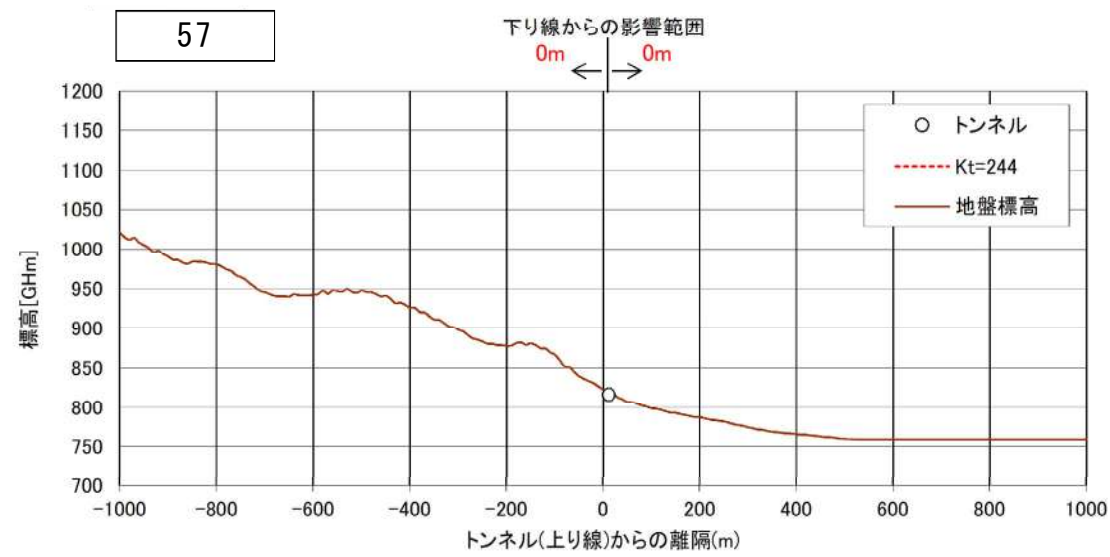
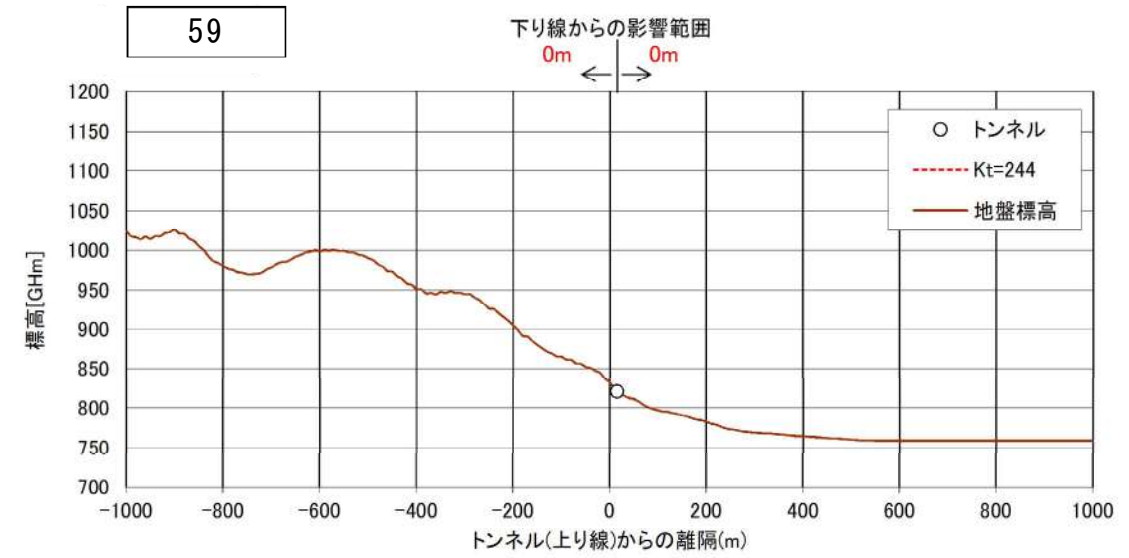
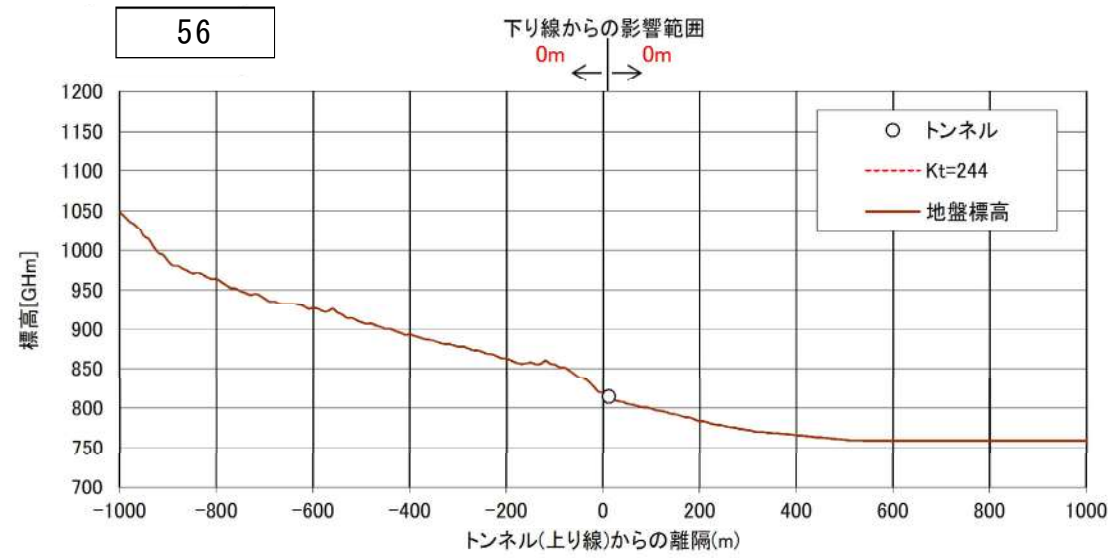
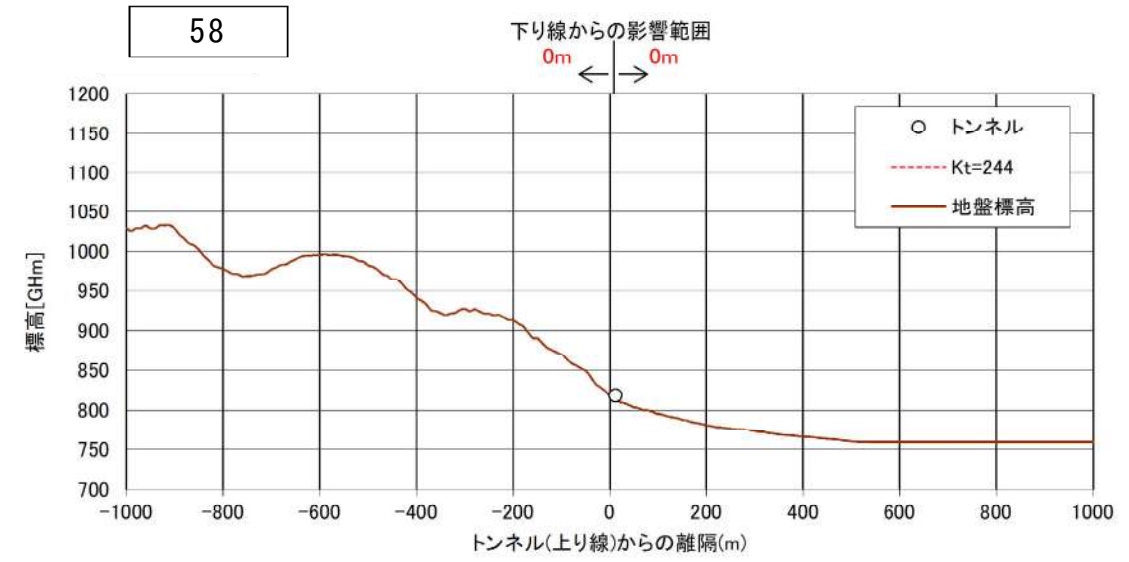
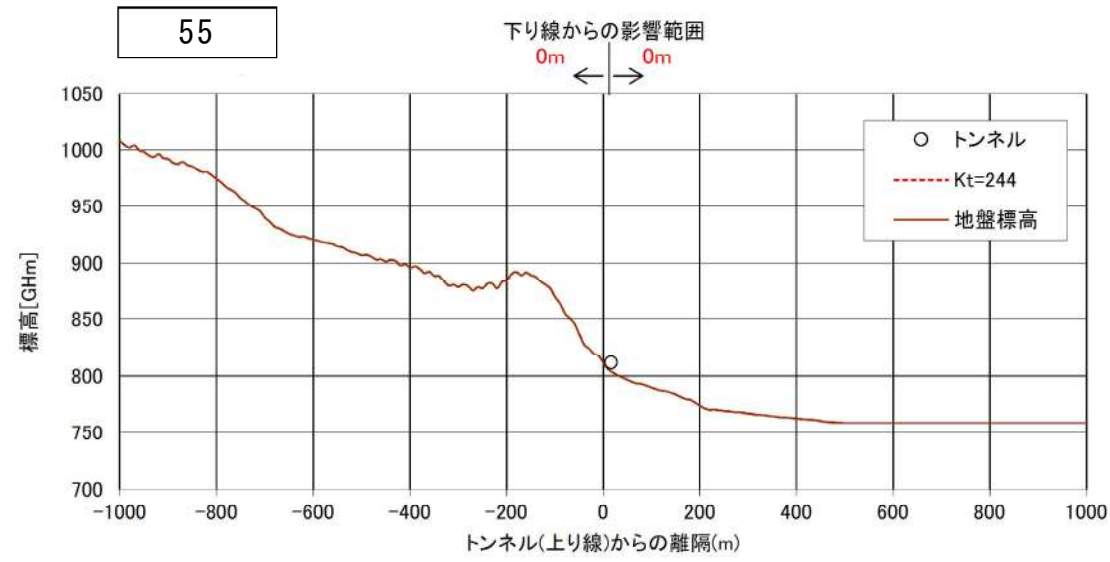


高橋の水文学的手法による集水範囲：下り線（9）

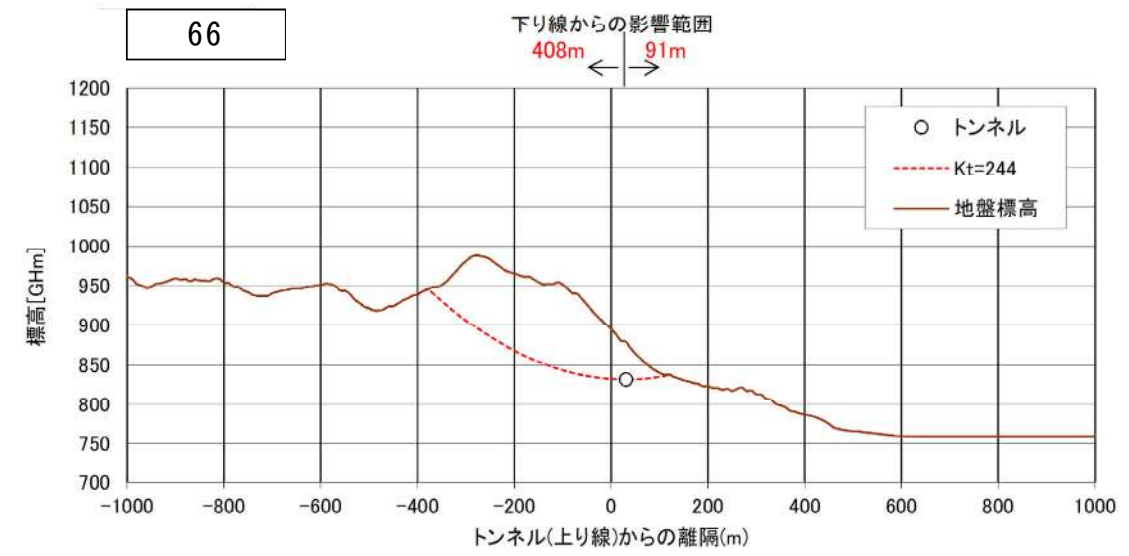
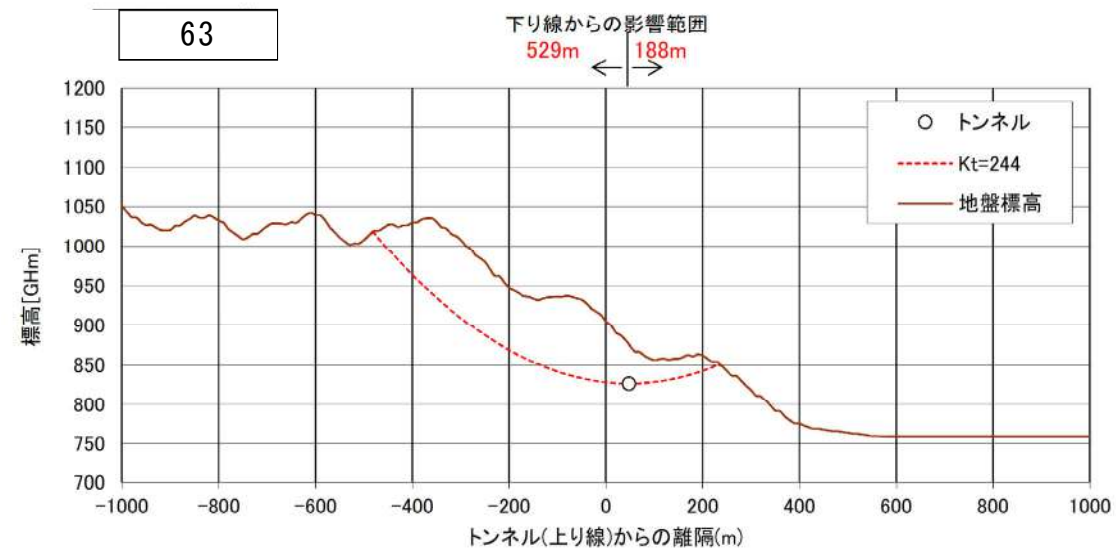
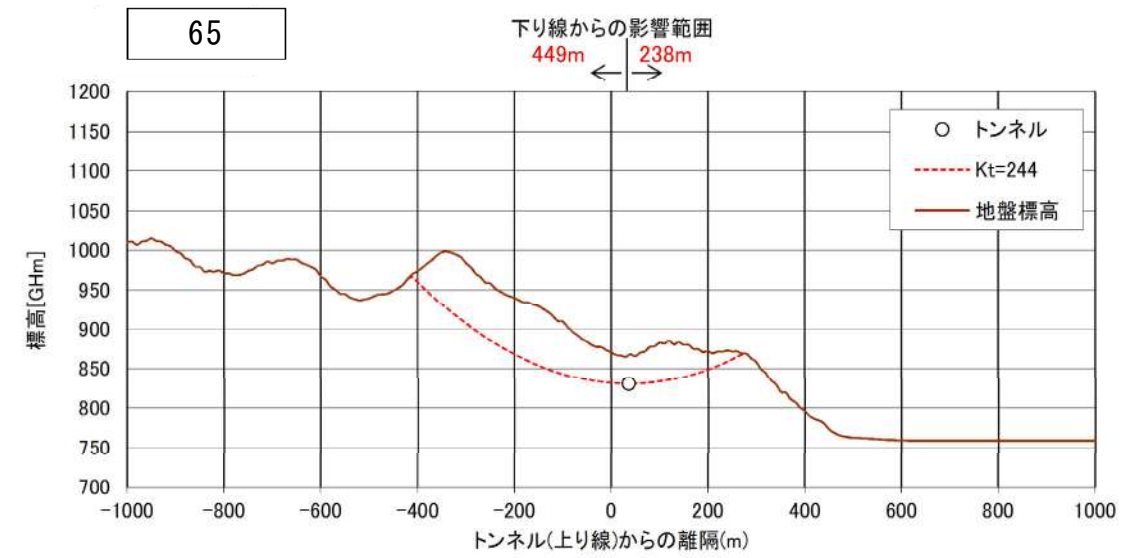
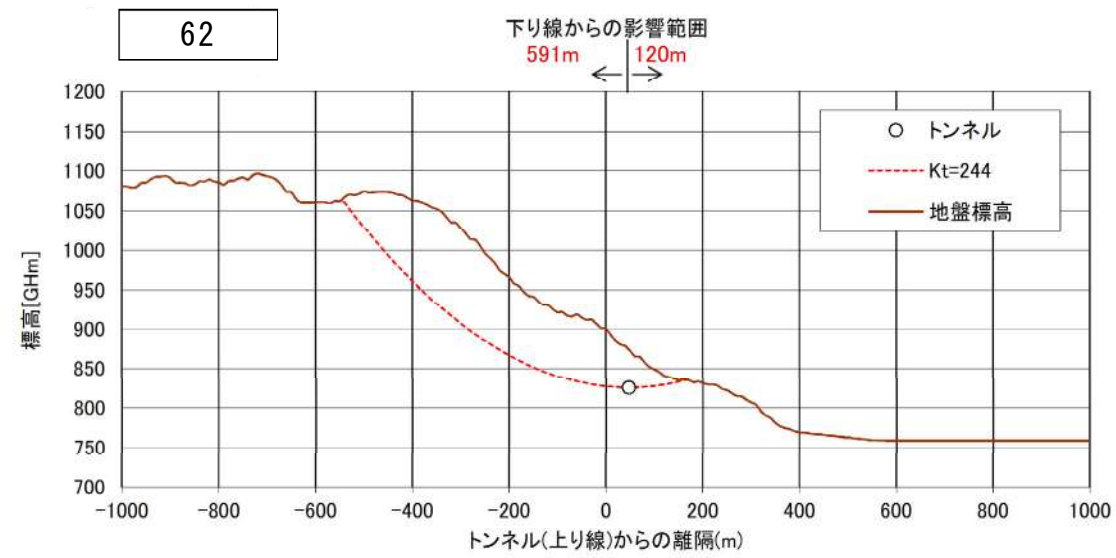
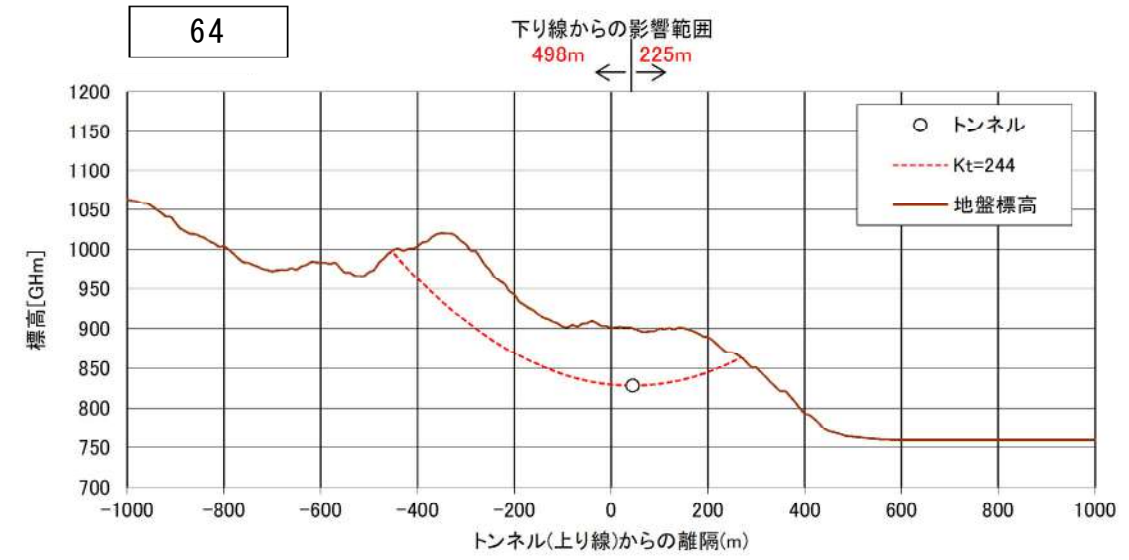
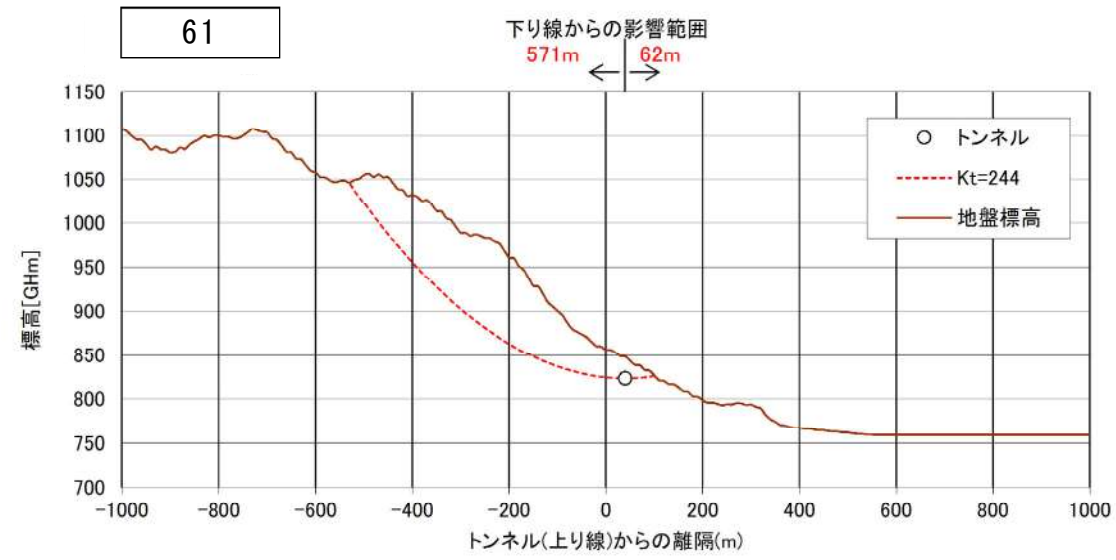




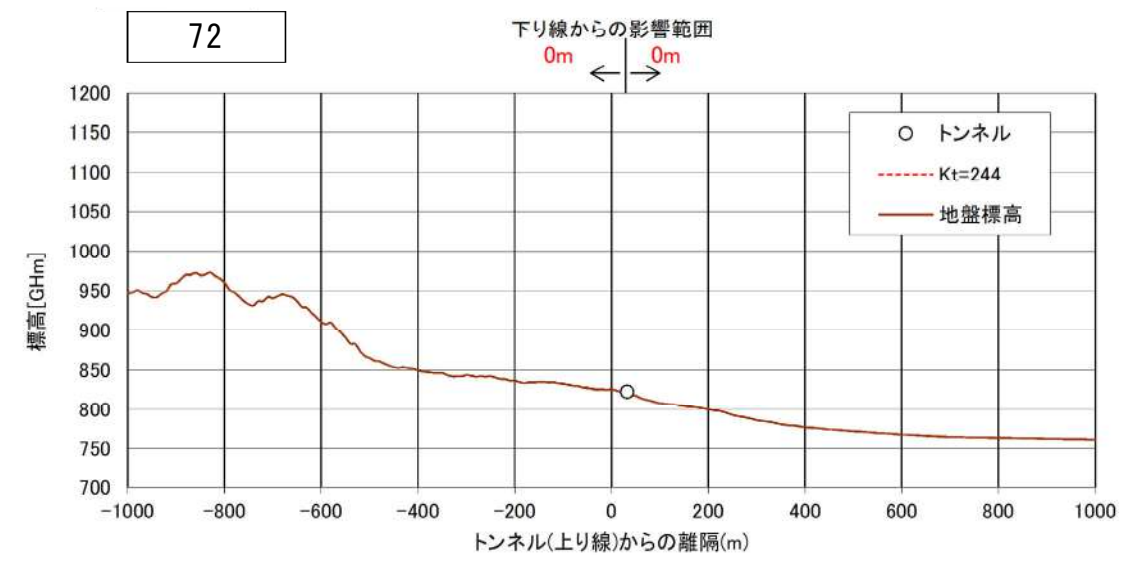
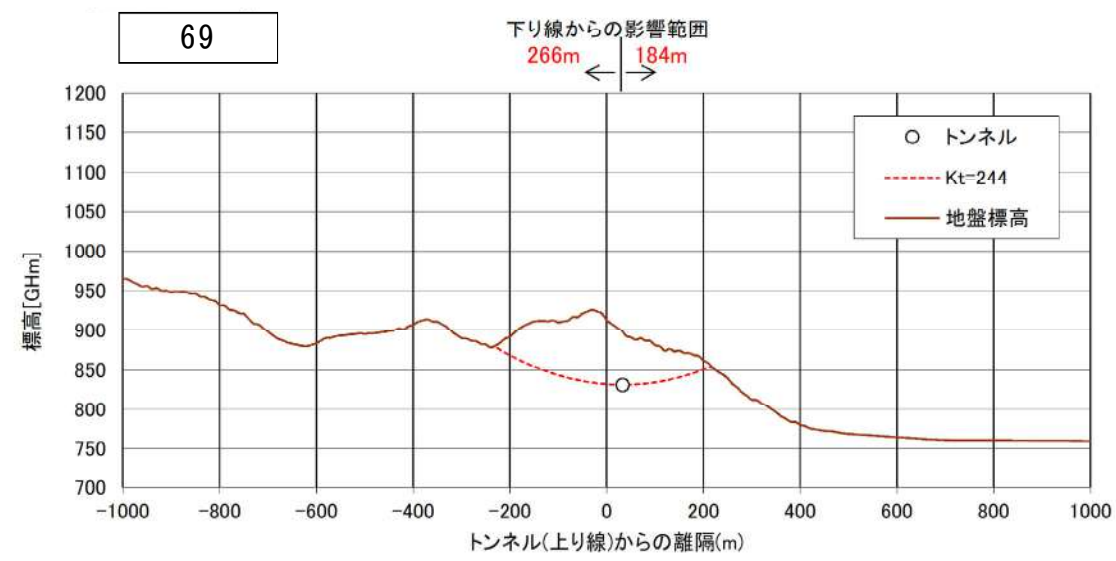
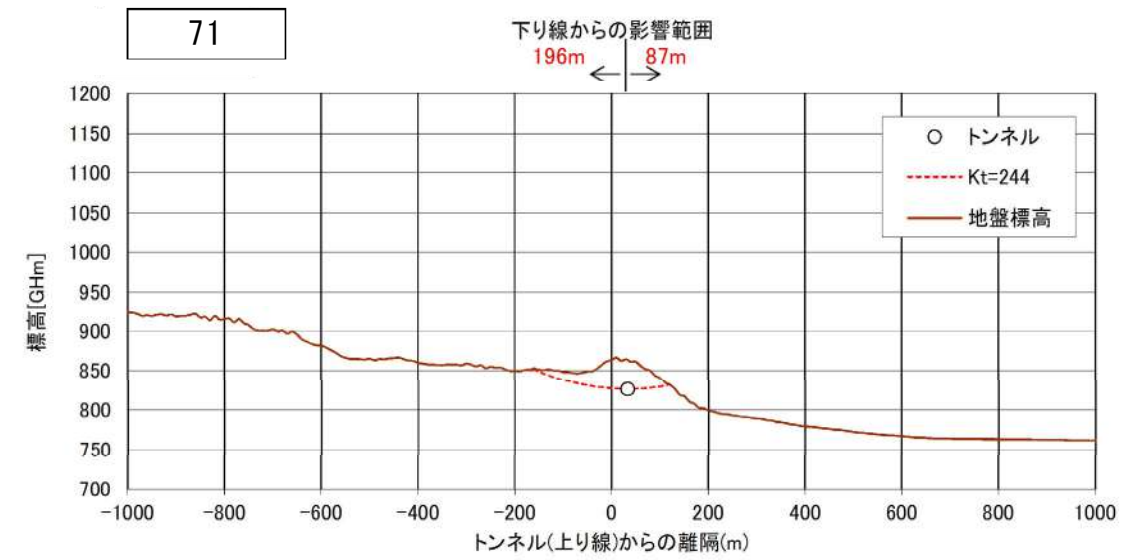
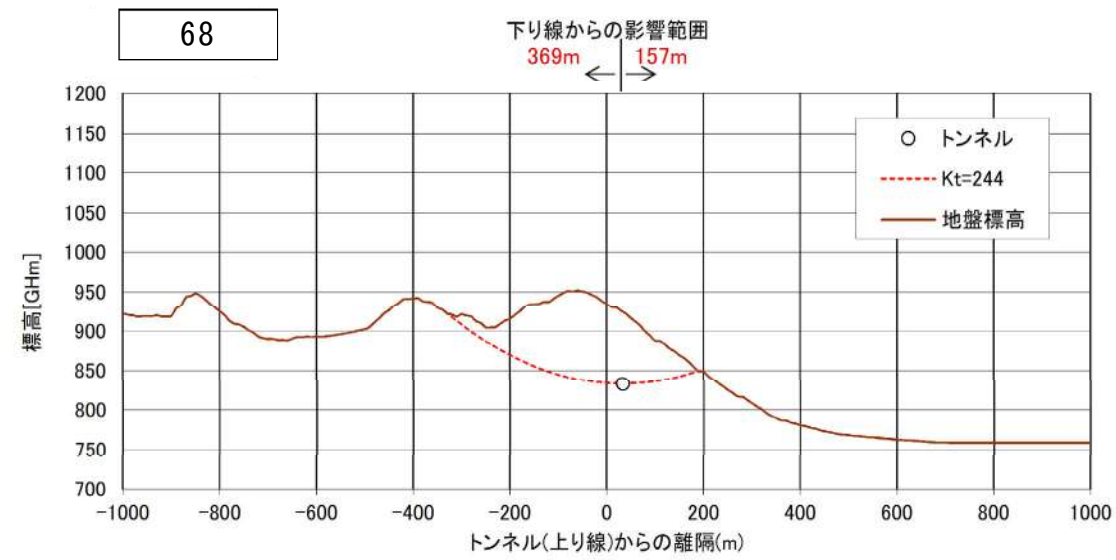
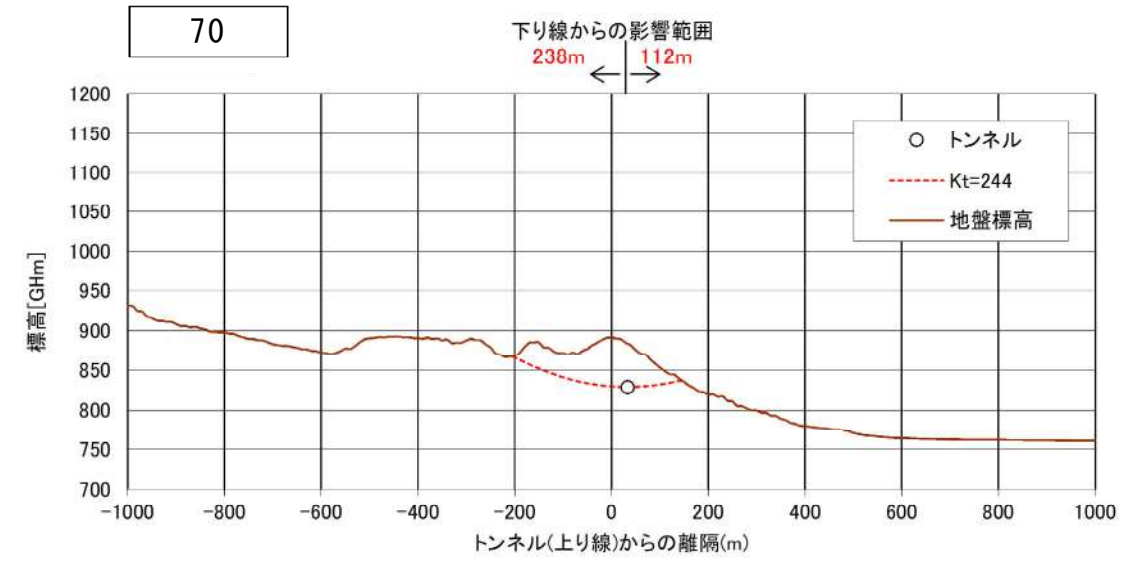
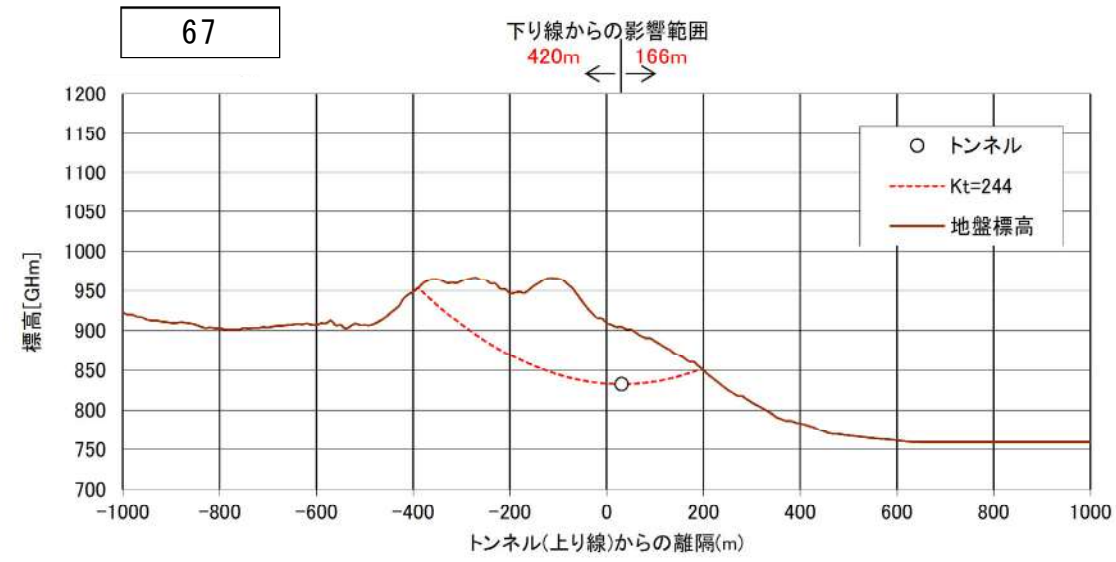
高橋の水文学的手法による集水範囲：下り線（10）



高橋の水文学的手法による集水範囲：下り線（11）

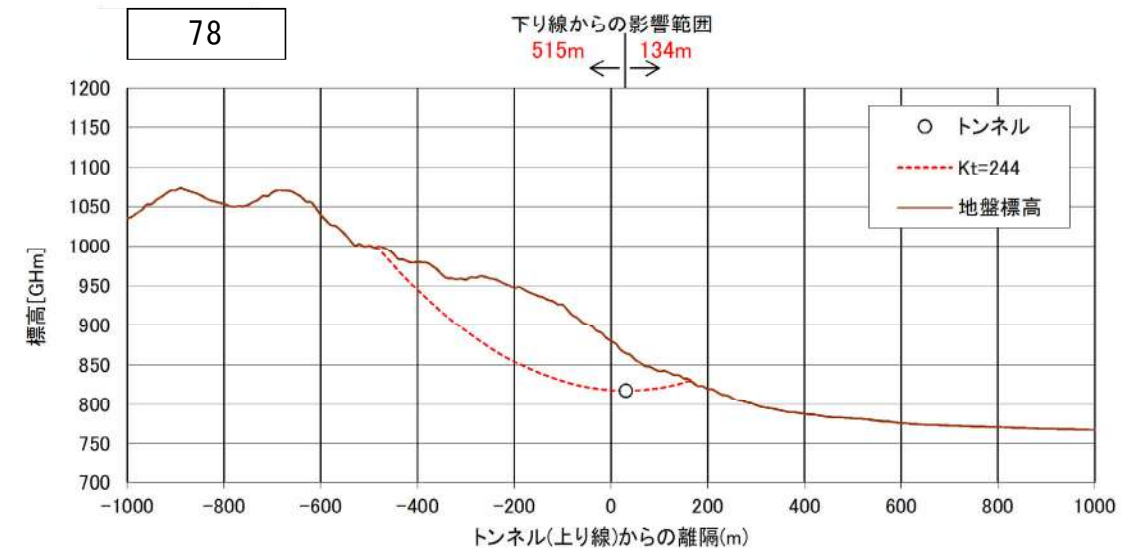
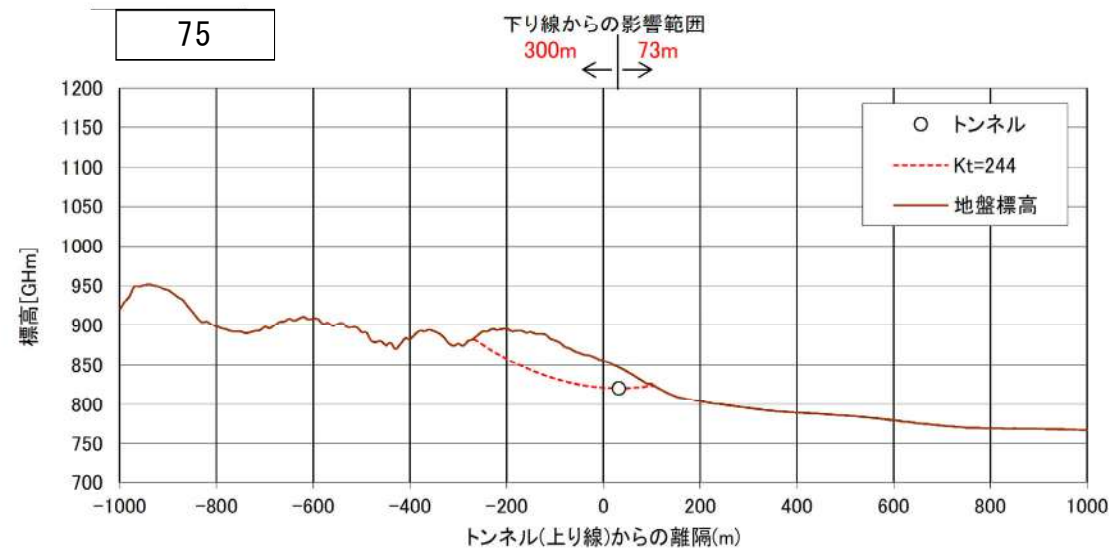
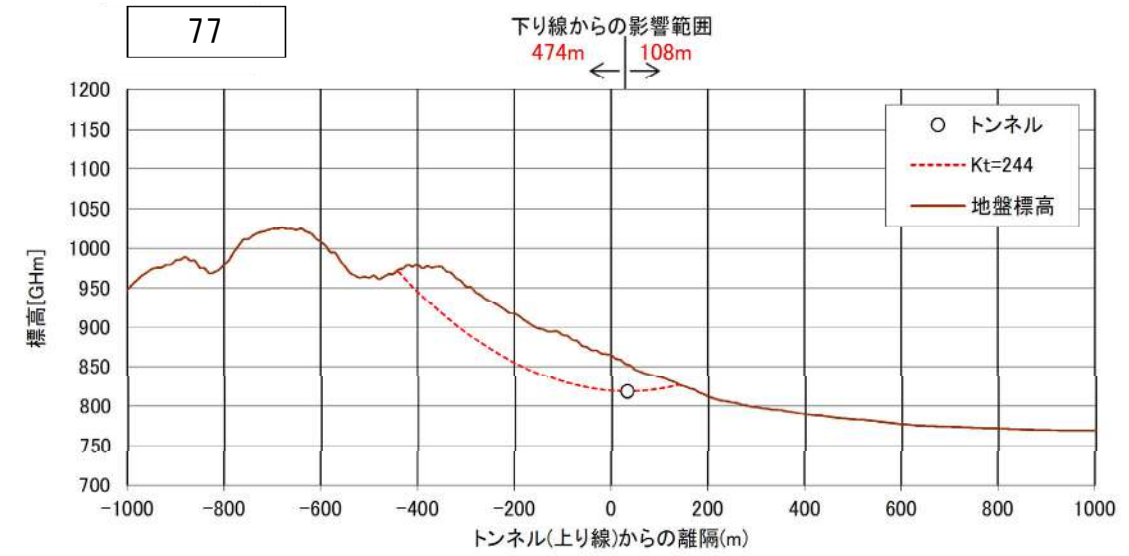
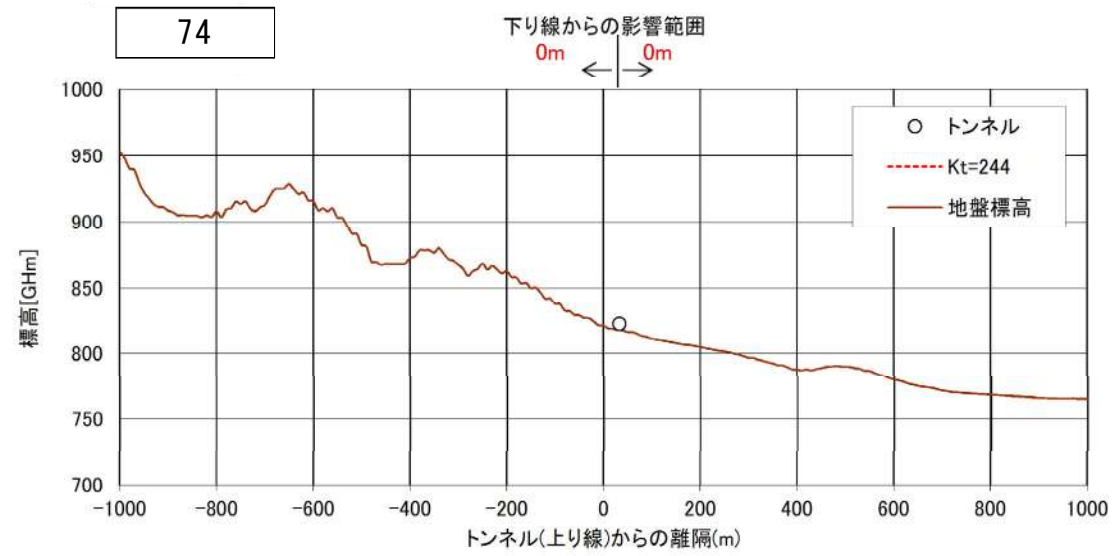
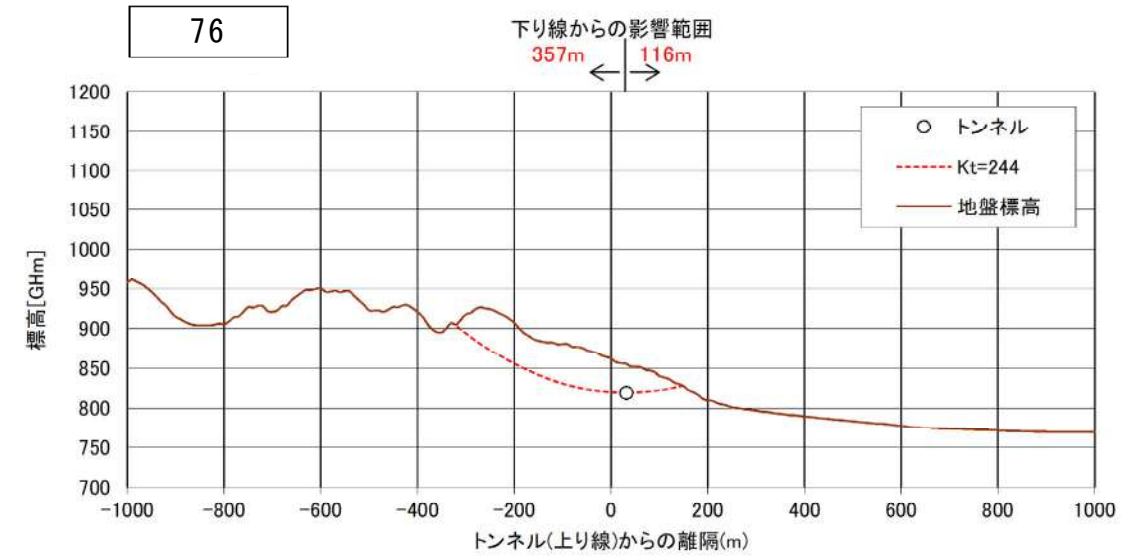
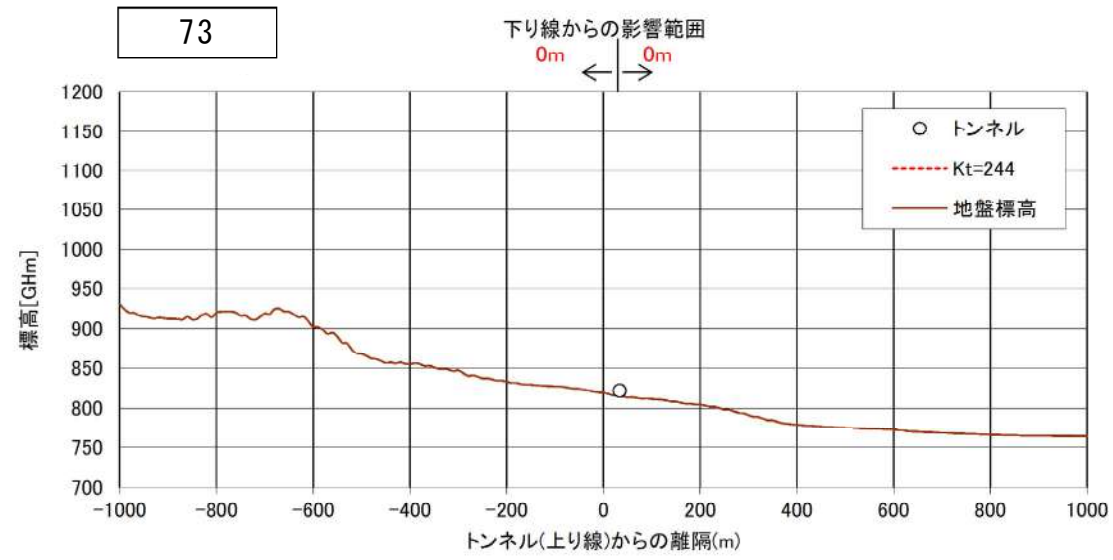


高橋の水文学的手法による集水範囲：下り線（12）



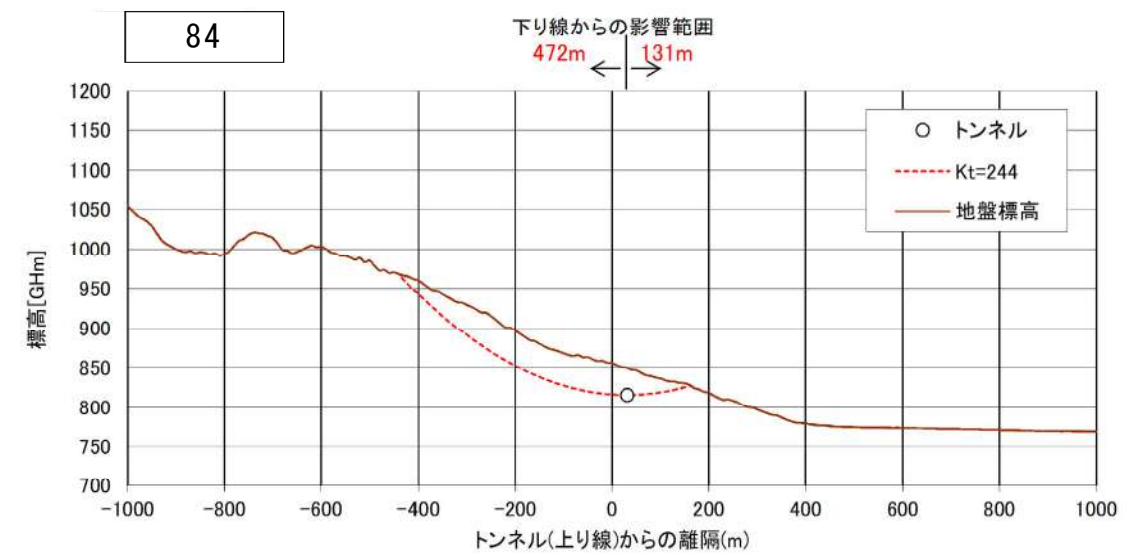
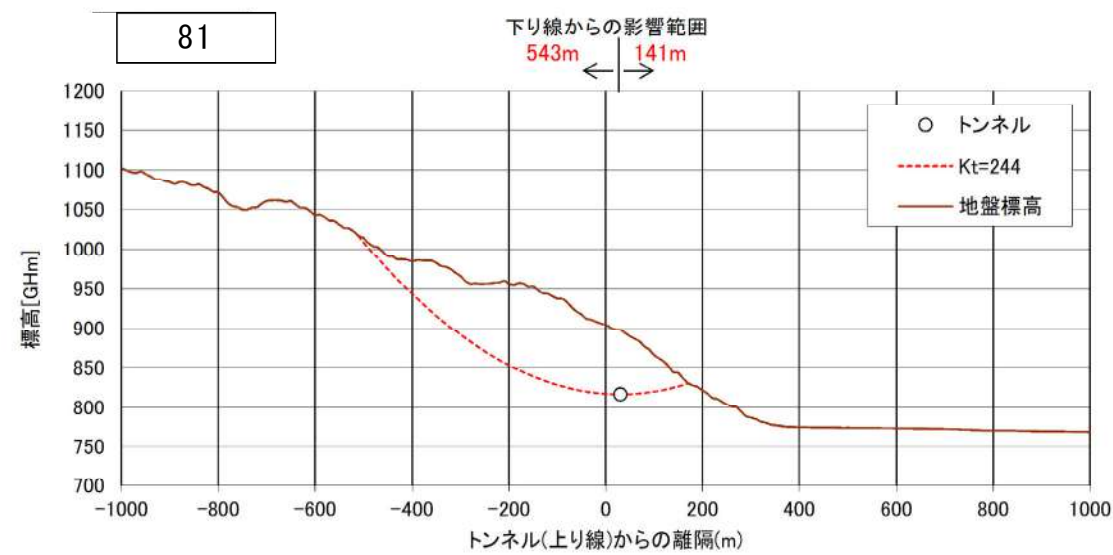
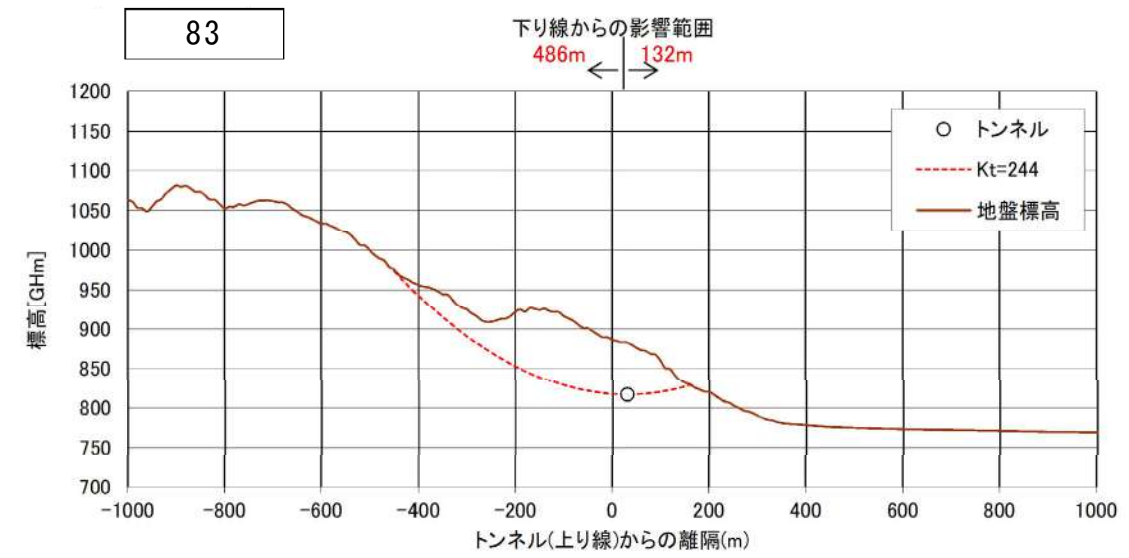
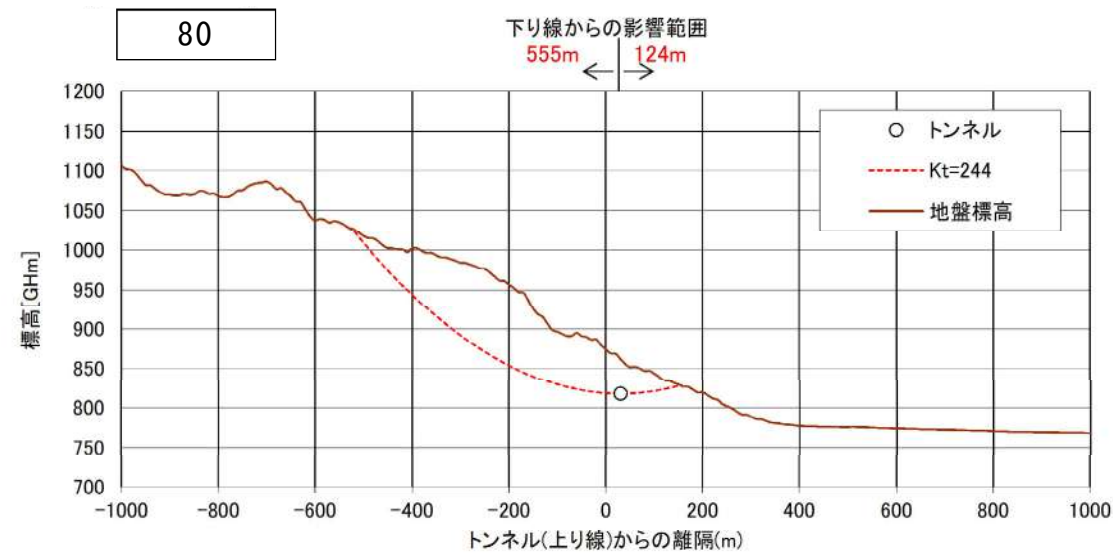
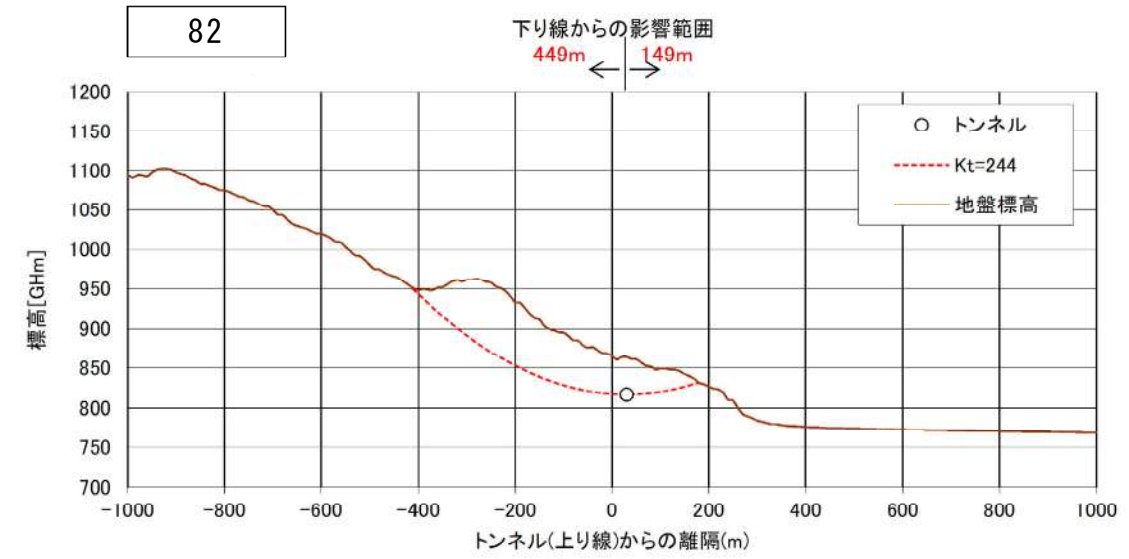
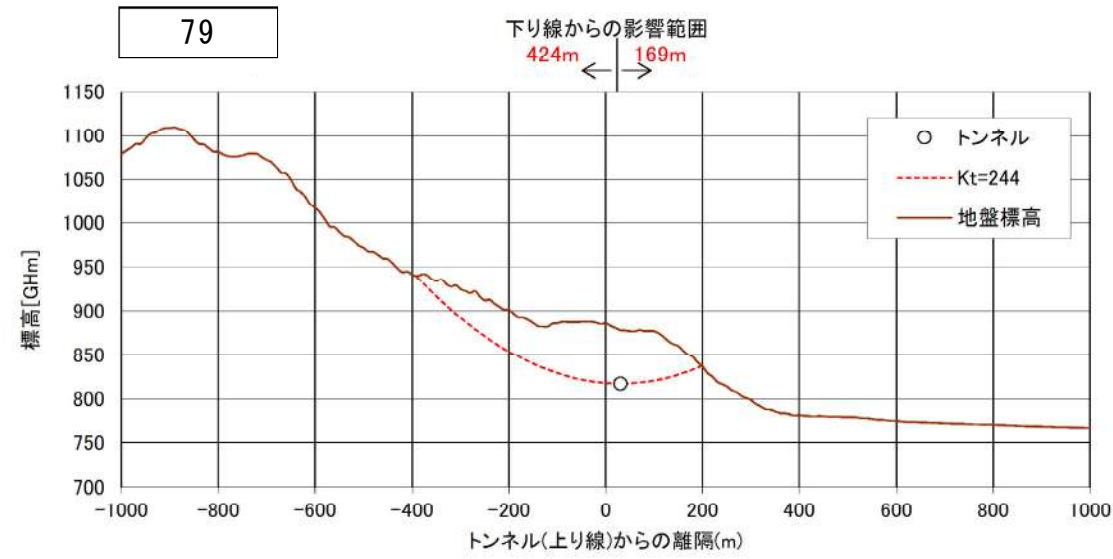


高橋の水文学的手法による集水範囲：下り線（13）





高橋の水文学的手法による集水範囲：下り線（14）



高橋の水文学的手法による集水範囲：下り線（15）

