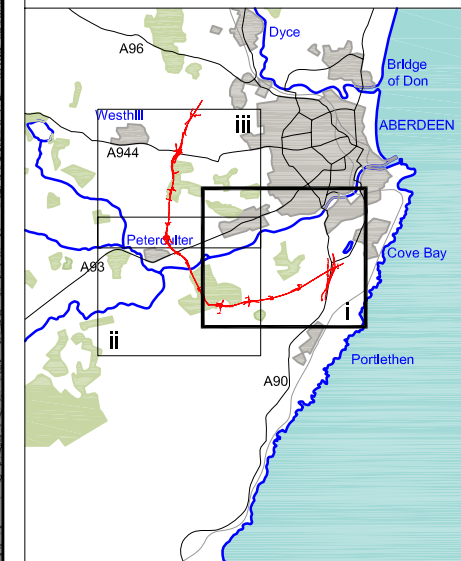


FIGURE 24.7bi



River Dee (Bridge of Dee) Baseline	Mean Annual Average Concentration	95 percentile Concentration	Standard Deviation
Flow (m ³ /s)	51.27 (mean flow)	10.02 (Q ₉₅)	-
Copper (µg/l)	1.63	4.32	1.48
Zinc (µg/l)	13.31	35.09	11.96
Suspended Sediment (mg/l)	2.55	4.44	2.79

River Dee (Inchgarth Reservoir) Baseline	Mean Annual Average Concentration	95 percentile Concentration	Standard Deviation
Flow (m ³ /s)	51.15 (mean flow)	9.98 (Q ₉₅)	-
Copper (µg/l)	1.60	4.26	1.48
Zinc (µg/l)	13.10	34.60	11.96
Suspended Sediment (mg/l)	3.63	8.78	2.79

- LEGEND**
- Proposed Centreline of Route (Engineering Profile 04/05/07)
 - Direction of Flow
 - Watercourses
 - Waterbody
 - Watercourses Outside Model Extent
 - Waterbody Outside Model Extent
 - Point of Interest
 - Proposed AWPR Outfall
 - Flow Gauge (Flow Input to Model Provided by Hydrologists)
 - Maryculter STW
 - Suspended Solid Data
 - Zinc Data
 - Copper Data

Rev	Date	Purpose of Revision	Drwn	Chkd	Appd

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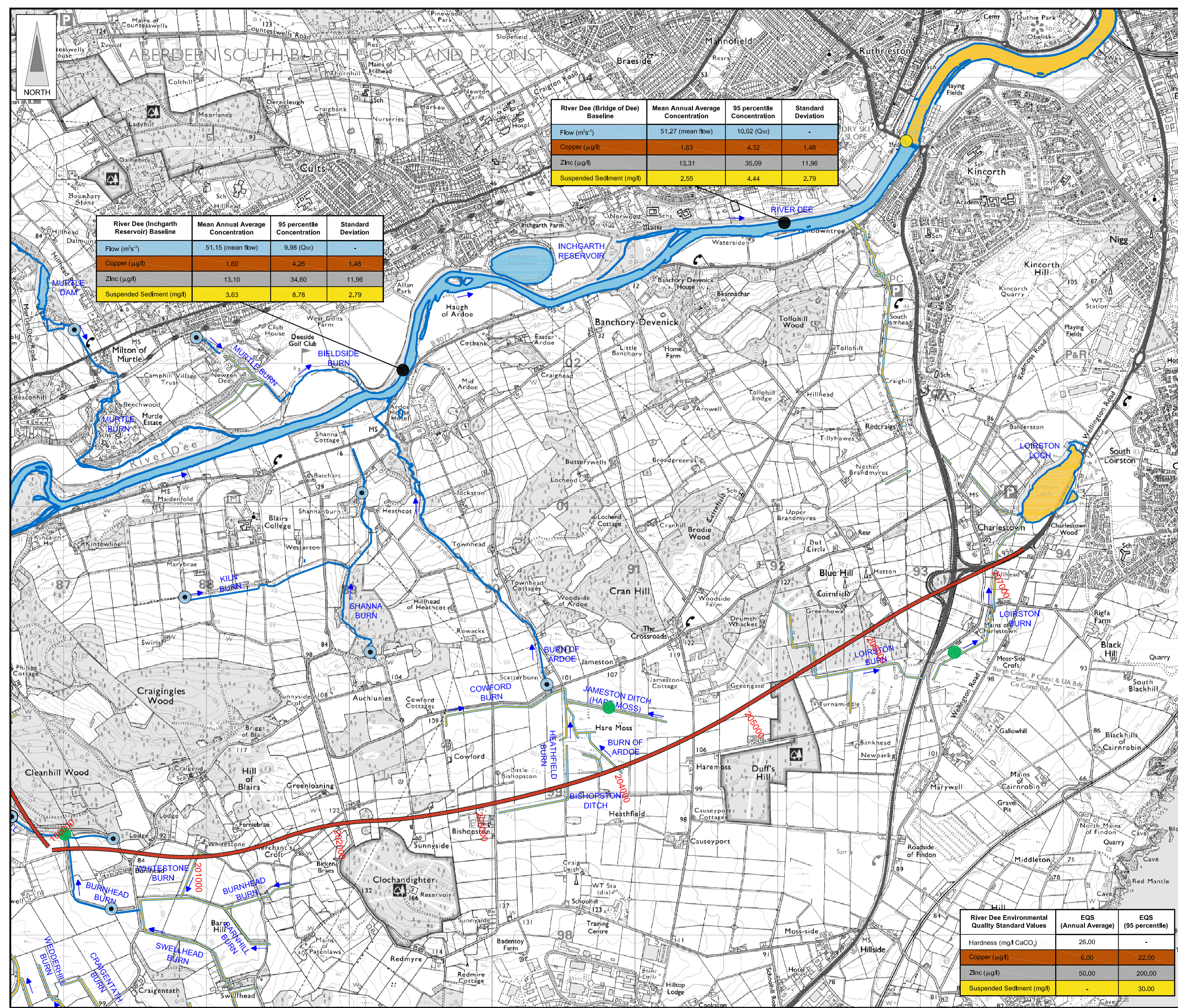
Client: **Aberdeen Western Peripheral Route**

Project: **Aberdeen Western Peripheral Route Environmental Statement, Part C - Southern Leg**

Title: **Water Quality Modelling - Baseline Sheet 1 of 3**

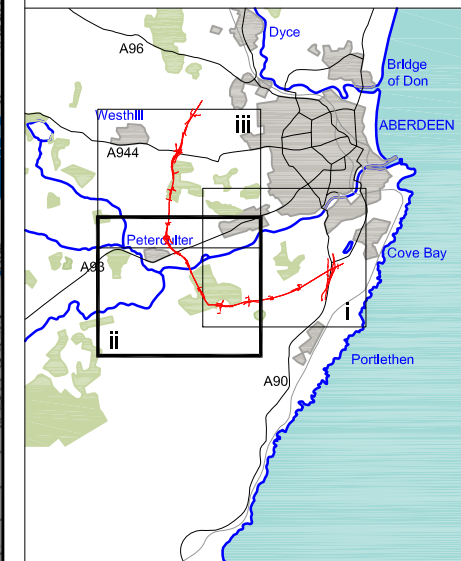
Drawing Status: FINAL	Revisions:
JB No. 0010332	Date: July 2007
Figure No. FIGURE 24.7bi	Approved: SH
Scale: 1:25,000	Checked: DR
Drawn: RB	Approved: SH

River Dee Environmental Quality Standard Values	EQS (Annual Average)	EQS (95 percentile)
Hardness (mg/l CaCO ₃)	26.00	-
Copper (µg/l)	6.00	22.00
Zinc (µg/l)	50.00	200.00
Suspended Sediment (mg/l)	-	30.00



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FIGURE 24.7bii



River Dee (Millimber) Baseline	Mean Annual Average Concentration	95 percentile Concentration	Standard Deviation
Flow (m ³ /s)	50.57 (mean flow)	9.75 (Q ₉₅)	-
Copper (µg/l)	1.63	4.31	1.48
Zinc (µg/l)	13.28	35.03	11.96
Suspended Sediment (mg/l)	3.68	8.88	2.79

Culter Burn Baseline	Mean Annual Average Concentration	95 percentile Concentration	Standard Deviation
Flow (m ³ /s)	0.95 (mean flow)	0.26 (Q ₉₅)	-
Copper (µg/l)	1.14	2.39	0.66
Zinc (µg/l)	5.81	11.20	2.85
Suspended Sediment (mg/l)	3.21	6.86	1.93

Crynoch Burn Baseline	Mean Annual Average Concentration	95 percentile Concentration	Standard Deviation
Flow (m ³ /s)	0.40 (mean flow)	0.02 (Q ₉₅)	-
Copper (µg/l)	0.43	0.90	0.25
Zinc (µg/l)	2.18	4.21	108.00
Suspended Sediment (mg/l)	3.50	8.43	2.66

River Dee Environmental Quality Standard Values	EQS (Annual Average)	EQS (95 percentile)
Hardness (mg/l CaCO ₃)	26.00	-
Copper (µg/l)	6.00	22.00
Zinc (µg/l)	50.00	200.00
Suspended Sediment (mg/l)	-	30.00

- LEGEND**
- Proposed Centreline of Route (Engineering Profile 04/05/07)
 - Direction of Flow
 - Watercourses
 - Waterbody
 - Watercourses Outside Model Extent
 - Waterbody Outside Model Extent
 - Point of Interest
 - Proposed AWPR Outfall
 - Flow Gauge (Flow Input to Model Provided by Hydrologists)
 - Maryculter STW
 - Suspended Solid Data
 - Zinc Data
 - Copper Data

Rev	Date	Purpose of Revision	Drwn	Chkd	Appd

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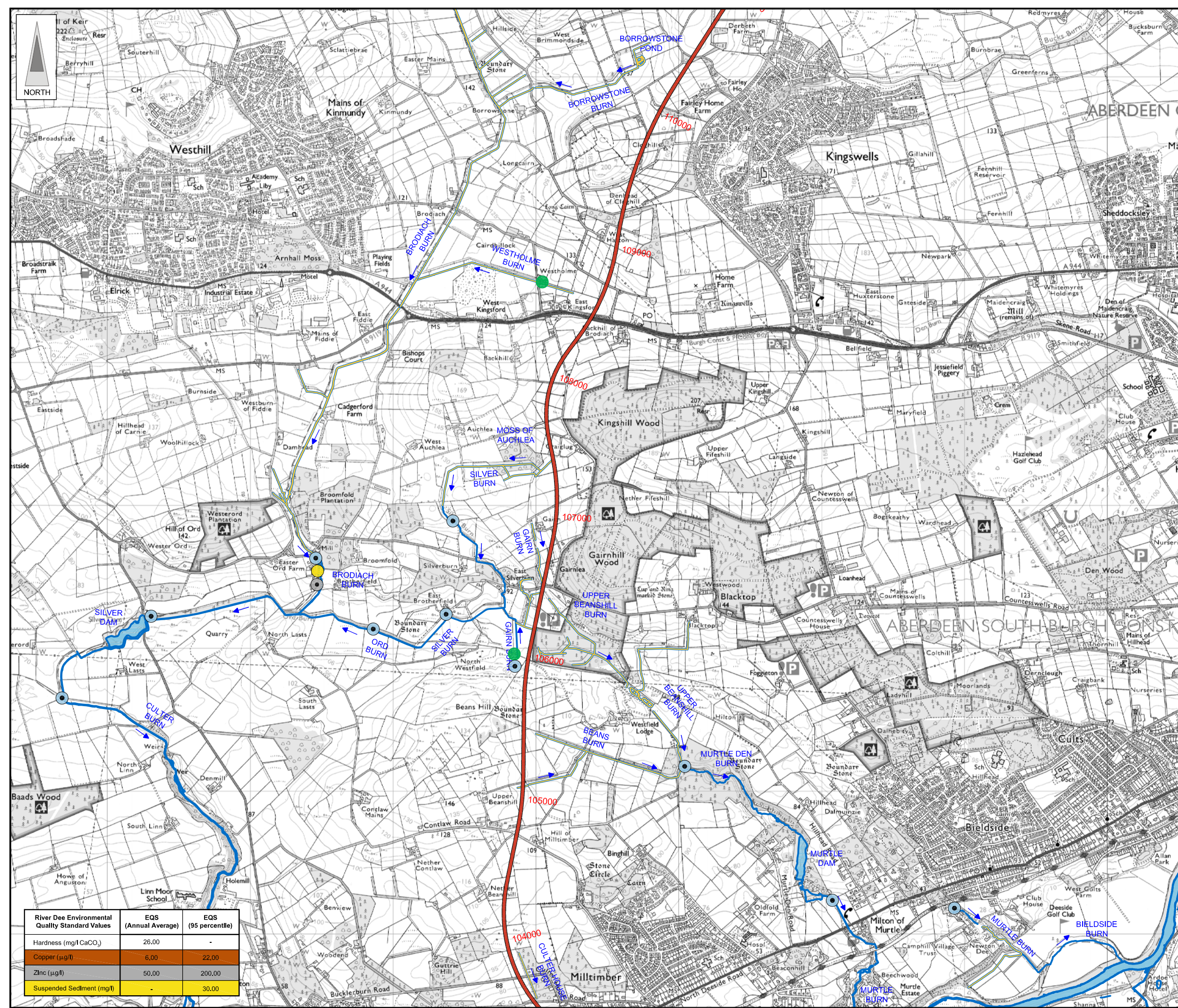
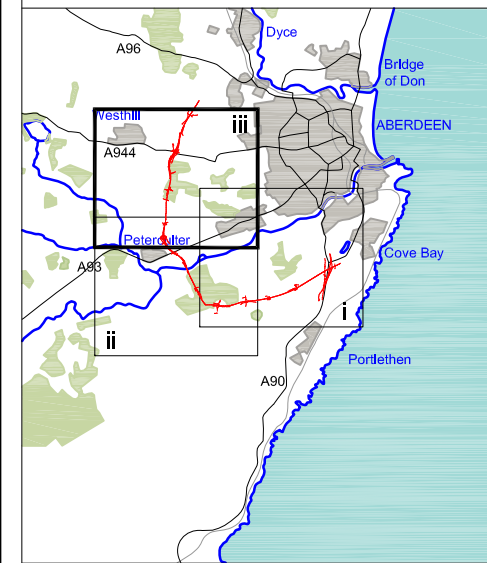
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Title: **Water Quality Modelling - Baseline Sheet 2 of 3**

Drawing Status	FINAL	Revisions	
JB No.	0010332	Date	July 2007
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FIGURE 24.7biii



- LEGEND**
- Proposed Centrelines of Route (Engineering Profile 04/05/07)
 - Direction of Flow
 - Watercourses
 - Waterbody
 - Watercourses Outside Model Extent
 - Waterbody Outside Model Extent
 - Point of Interest
 - Proposed AWPR Outfall
 - Flow Gauge (Flow input to Model Provided by Hydrologists)
 - Maryculter STW
 - Suspended Solid Data
 - Zinc Data
 - Copper Data

River Dee Environmental Quality Standard Values	EQS (Annual Average)	EQS (95 percentile)
Hardness (mg/l CaCO ₃)	26.00	-
Copper (µg/l)	6.00	22.00
Zinc (µg/l)	50.00	200.00
Suspended Sediment (mg/l)	-	30.00

Rev	Date	Purpose of Revision	Drwn	Chkd	Appd

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Title: **Water Quality Modelling - Baseline Sheet 3 of 3**

Drawing Status	FINAL	Revisions	
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Figure No.	FIGURE 24.7biii	Approved	SH
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