

Riverine Habitat Audit Procedure --- SHEET 4 Reach Envoions -temporal & spatial

Basin Sub-section Site

Tributary Name

Date (dd/mm/yy) / /

Recorder

1 Water Level at sampling time

Map Scale Not Determined Local Scale

1	2	3	4	5	6	7	8	9	10	11
Completely dry	Isolated pools, no flow	Low Flow/ low level	Moderate < water mark	Normal at water mark	High > water mark	Flood > bankfull	Within 1 hr of High Tide	Within 1 hr of Low Tide	Incoming/between Tide	Out-going/between Tide

3 Channel Pattern

1	2	3	4	5	6	7	8	9	10	
Not Determined	Straight	Mildly sinuous	Irregular	Reg. Meanders	Irreg. Meanders	Tortuous	Braided	Swampy	Channelised	Overland Flow

2 Estimated Total Floodplain width (m)

Estimated Total Valley-flat width (m)

Est. Local Meander wavelength (m)

4 Local Land Use

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Sugar Cane	Horticulture small crops/ vines	Horticulture tree crops/ fruit	Irrigated broadacre row crops	Rainfed broadacre row crops	Grazing - sown pasture	Grazing -native --- cleared	Grazing -native --- thinned	Grazing -native --- virgin timber	Intensive Livestock-pig,fowl,cow	Urban residential	Urban manufact/ processing	Park or Reserve / National, enviro	Urban Park or Reserve	Rural Residential / hobby farm	Other

5 Local Disturbance

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Sand / gravel mine	Other mine	Road	Bridge / culvert / wharf	Ford / ramp	Discharge Pipe	Forestry activities	Sugar Mill	Sewerage Effluent	Irrig. runoff, pipe outlet	Channelisation	River improvement	Water Extraction	Dredging	Grazing	Other

6 Local Land Tenure

1	2	3	4	5	6	7	8	9	10	11
Freehold	National Park	State Park	Reserve-timber, enviro P	State Forest	Urban Reserve	Urban	Other / Unknown	Leased Public Land	Road Reserve	Vacant Crown Land

7 Floodplain features

1	2	3	4	5
Oxbows / billabongs	Remnant Channels	Floodplain scours	Floodplain deposits	Prominent flood channels

8 Local Veg. Type

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
Rainforest	Eucalypt Wet Sclerophyl	Eucalypt Open Forest	Eucalypt woodland	Eucalypt open woodland	Cyprus Pine forest	Belah/ Brigalow/ Gidgee	Mulga scrub-open forest	Mulga Shrubland	Bendee/lancewood scrub	Softwood Scrub	Melaleuca forest	Other Shrubland	Grassland(isolated trees)	Heathland	Mangrove	Salt marsh / salt pans	Freshwater marsh	Pine plantation	Other plantation	Garden Vegetation	Other	Other Shrubland

9 OVERALL DISTURBANCE RATING

Tick one box for the overall rating

EXTREME DISTURBANCE

HIGH DISTURBANCE

MODERATE DISTURBANCE

LOW DISTURBANCE

V. LOW DISTURBANCE

Valley Flat Vegetation - Agriculture and/or cleared land BOTH sides. Plants present are virtually all exotic species (willows, pines etc.)

Shoreline Vegetation - Absent or severely reduced. Vegetation present is extremely disturbed - i.e. dominated by exotic species. Native species rare or completely absent.

Valley Flat Vegetation - Native vegetation and/or cleared on ONE side; native vegetation on the other reasonably undisturbed state.

Shoreline Vegetation - Native vegetation on BOTH sides with canopy intact or with native species widespread and common in the shoreline zone. The intrusion of introduced species is minor and of moderate impact.

Valley Flat Vegetation - Agriculture and/or cleared land BOTH sides. Plants present are virtually all exotic species (willows, pines, etc.).

Shoreline Vegetation - Some native vegetation present, but it is severely modified BOTH sides by grazing or the intrusion of introduced species. Native species severely reduced in numbers and cover.

Valley Flat Vegetation - Native vegetation present on both sides of the river with an intact canopy. Introduced species are absent or insignificant. No evidence of outside interference. Representative of natural vegetation in excellent condition.

Shoreline Vegetation - Native vegetation on both sides of the river in an undisturbed state. Introduced species are rare or insignificant. Representative of natural vegetation in excellent condition.