

SITE CHARACTERISATION CHECK LIST

1. General

Name: XYZ Enterprises
 Date: 1 March 2000
 Location: 7B Anywhere Drive
 NZMS 260: U12:905-604
 Assessor: J Brown
 Site Area (ha) 2.5ha (approximately)

2. Site Access

Site fenced

 No access from eastern or northern boundary. Fence in disrepair on southern boundary. No fencing along riverbank.

3. Landuse

Present dominant landuse:

- Commercial
- Industrial
- Agricultural
- Urban park / reserve
- Wildlife / scenic reserve
- Other

Future landuse:

- Commercial
- Industrial
- Agricultural
- Urban park / reserve
- Wildlife / scenic reserve
- Other

Surrounding landuses:

Agricultural, industrial, vacant

4. Possible Contaminants

Land use history:

Former sawmill/treatment plant
 Electroplating (current)

Waste Disposal:

- Solid (uncontrolled dumping at river bank)
- Liquid
- Sludge

Contaminants of concern:

- Pathogens
- Metals: Cu, Cr, As, Pb, Zn
- Organic compounds
- Volatile
- Semi-volatile
- Pesticides / herbicides
- Others.... boron

5. Physical Description of Site

Land Cover:

Site land cover (%)
 20% building
 20% metallised yard
 60% bare land (non-metallised, rank grass, weeds), covered in scrap and finished product.

Topography:

Slope: 1-2% gentle
 Aspect: slope to SW
 Map / photo attached

Geology:

Geological map

Soils:

- Volcanic ash
- Loess
- Silt
- Peat
- Pumice
- River Sand
- Dune Sand
- Weathered rock
- Other: Sediment on river bank & in drain
- Soil map attached

6. Surface Water Hydrology

Surface Water bodies:

- Lake
- Pond
- River
- Floodway
- Stream (permanent)
- Stream (ephemeral)
- Freshwater wetland
- Beach/coastal
- Harbour
- Coastal wetland / marsh
- Estuary
- Other: Stormwater drain

Dimensions:

River 50m wide, drain 1.5m wide, 0.5 m deep.

Distance from site:

River at SW boundary, stormwater drain at E and S boundary, estuary 1.5km to south.

Bank height & slope:

1-2m gentle slope to river

Discharge from site to water body: Stormwater runoff

Substrate:

<p><i>Soil movement on-site:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Agricultural <input type="checkbox"/> Land sliding / erosion <input type="checkbox"/> Earthworks <input type="checkbox"/> Mining <input type="checkbox"/> Other: <p><i>Possible off-site soil movement:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Mass movement or erosion <input type="checkbox"/> Excavation <input type="checkbox"/> Mining <input type="checkbox"/> Vehicular traffic <input checked="" type="checkbox"/> Storm water <input checked="" type="checkbox"/> Wind blown 	<ul style="list-style-type: none"> <input type="checkbox"/> Rock <input type="checkbox"/> Boulder/gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt <input type="checkbox"/> Peat <input type="checkbox"/> Concrete <input type="checkbox"/> Other <input type="checkbox"/> Unknown
<p>7. Nearby Habitat</p> <p><i>Aquatic:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Stream <input type="checkbox"/> Open coast <input checked="" type="checkbox"/> Estuary <input type="checkbox"/> Harbour <input type="checkbox"/> Other <p>Distance from site: SW boundary, estuary is 1.5km downstream Size (ha): NA</p> <p><i>Terrestrial:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Grassland <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Pasture <input type="checkbox"/> Tussock <input type="checkbox"/> Coastal <input type="checkbox"/> Other (e.g. alpine) <p>Distance from site: NW boundary Patch size (ha): >50ha</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Scrub / Shrub <ul style="list-style-type: none"> <input type="checkbox"/> Manuka / Kanuka <input type="checkbox"/> Gorse / Broom <input type="checkbox"/> Matagouri <input type="checkbox"/> Other (e.g. blackberry) <p>Distance from site: NA Patch size (ha): NA</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Bush / Forest <ul style="list-style-type: none"> <input type="checkbox"/> Exotic <ul style="list-style-type: none"> <input type="checkbox"/> Pine <input type="checkbox"/> Other (e.g. gum) <input type="checkbox"/> Mixed Broadleaf <input type="checkbox"/> Podocarp <input type="checkbox"/> Other <p>Distance from site: NA Patch size (ha): NA</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Wetland <input checked="" type="checkbox"/> Freshwater <ul style="list-style-type: none"> <input type="checkbox"/> Swamp (open water) <input type="checkbox"/> Bog (no open water) <input type="checkbox"/> Coastal 	<p>8. Groundwater Hydrology</p> <p><i>Depth to groundwater:</i> 2-3m</p> <p><i>Soil type (refer above):</i> silt +/- sand</p> <p><i>Aquifer type:</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Sand <input type="checkbox"/> Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Rock – fractured <input type="checkbox"/> Rock – non fractured <input type="checkbox"/> Other <input type="checkbox"/> Unknown <p><i>Stormwater/Man-made Drainage:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Channel <input checked="" type="checkbox"/> Drain <input type="checkbox"/> Swale <input type="checkbox"/> Floodway <input type="checkbox"/> Detention Pond <input type="checkbox"/> Treatment Pond <input checked="" type="checkbox"/> Other diffuse runoff over site <input type="checkbox"/> None <p><i>Dimensions:</i> 1.5m wide x 0.5m deep</p> <p><i>Substrate:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Rock riprap <input type="checkbox"/> Boulder/gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt <input type="checkbox"/> Peat <input type="checkbox"/> Concrete <input type="checkbox"/> Other: plastic, glass, muck <input type="checkbox"/> Unknown

Distance from site: 450m true right bank downstream Patch size (ha): approx 5 ha	
<p>9. Habitat Use Status</p> <ul style="list-style-type: none"> <input type="checkbox"/> National Park <input type="checkbox"/> Reserve <ul style="list-style-type: none"> <input type="checkbox"/> Scientific <input type="checkbox"/> Scenic <input type="checkbox"/> Wildlife <input type="checkbox"/> Marine <input type="checkbox"/> Historical <input type="checkbox"/> Other (e.g QEII trust) <input type="checkbox"/> Private <input type="checkbox"/> Significant site (regional district plan) <input checked="" type="checkbox"/> Unknown <p>Cultural Use</p> <ul style="list-style-type: none"> <input type="checkbox"/> Waahi Tapu <input type="checkbox"/> Urupa <input type="checkbox"/> Mahinga Kai <input type="checkbox"/> Marae <input type="checkbox"/> Other <input checked="" type="checkbox"/> Unknown <p>Recreational Use</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fishing <input type="checkbox"/> Hunting <input type="checkbox"/> Shellfish <input type="checkbox"/> Other (e.g. contact recreation) <input checked="" type="checkbox"/> Unknown 	<p>10. Summary/Key Points</p> <ul style="list-style-type: none"> • XYZ Enterprises • industrial site • former sawmill and timber treatment plant • possible dumping at river bank • located in industrial estate next to agricultural land • ABC River is adjacent • Riparian wetland 450m downstream • Estuary 1.5km downstream <p>11. Matters to Follow Up</p> <ul style="list-style-type: none"> • Contaminants from solid waste disposal • Wetland: nature, significance, management status, use • Use of river and estuary/intertidal area • Sediment contamination • Soil contamination

