STEP 3: Diagnose governance instruments

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| Governance Instrument | Description | Type | Level | S2S segment | S2S sub-segment | Relevance | Strengths of instrument | Gaps in instrument | Additional comments |
| Action Plan for the National Policy on Natural | The AP recognized watershed planning and helped | Strategy | National | Land system | | Weak | The AP sets the scene for an integrated approach | | Very old and doesn't appears to have been |
| Resources and the Environment (1994) | establish Ethiopia as an early adopter of IWRM. It included an integrated approach to land management | | | | | | across Ethiopia, and this purpose has carried through the following decades. It includes | | updated. Prepared 25 years ago. Sections on water rarely considered the impact of land use on water |
| | across Ethiopia and countrywide programme on soil | | | | | | references to water resources, and the connections | | resources. It also didn't consider impacts of |
| | conservation, including preferred extension services | | | | | | to ecosystems, although it is more focused on | | pastoral farming on sediment erosion, which has |
| | and early concerns around the impact of charcoal | | | | | | water as an input into economic processes. Whilst | | increased in significance as an issue. It's relevance |
| | burning on forests. Key sections include integrated | | | | | | more concerned with the land system, it would | | was rated as low on this basis. |
| | land use and on-farm soil management: Given the | | | | | | apply to the whole of the Basin. | | |
| | tremendous erosive power of rainfall on bare earth, to | | | | | | | | |
| | develop, in participation with farming communities appropriate integrated cropping and soil management | | | | | | | | |
| | systems which maximize the length of time the soil is | | | | | | | | |
| | covered with live and/or dead vegetative and other | | | | | | | | |
| | materials. | | | | | | | | |
| CRGE Climate Resilience Strategy: Water and Energy | The CRGE provides national and economy wide | Strategy | National | Freshwater system | | Moderate | The CRGE is well accepted within Ethiopia and | | THE CRGE predominantly has a national focus, and |
| | measures for responding to climate change. This | | | | | | referred to across national communications and | | may not result in significant local investment, |
| | component of the CRGE programme includes measures and funding relating to irrigation and to reducing | | | | | | policy. Building connections to the CRGE can enhance legitimacy of actions or program designed | | therefore how much funding to support actions Hawassa is questionable. The document notes the |
| | reliance on wood fuel. It noted that irrigation can cause | | | | | | through S2L. Strategy supported at Ministerial level | | need to balance water demands but actions appear |
| | issues in lower catchments in terms of erosion whereas | | 1 | | | | and funding has been made available for | | to be focused on demand-side only, leaving |
| | land use changes relating to wood fuel removes | | 1 | | | | implementation. The Strategy would apply to all | | activities such as afforestation to other |
| | vegetation cover, which in turn contributes to erosion | | 1 | | | l | parts of the Basin and will have a high influence on | | programmes. |
| | and sediment loads from upper catchments. 81% of | | | | | | plans and strategies, and used to supporting | | |
| | Ethiopian households nationally rely on wood for | | | | | | actions by Enabling and Supporting Institutions. It | | |
| | domestic use, and it may be similar percentages across | | | | | | would support some level of horizontal | | |
| | Hawassa, which support the connections to sediment found in the consultants report. It also noted that | | | | | | coordination through the connections between erosion, deforestation and energy needs | | |
| | climate change may reduce biomass, putting further | | | | | | erosion, derorestation and energy needs | | |
| | pressure on woodlots and forests. This may mean that | | | | | | | | |
| | if wood fuel biomass continues to be the main source | | | | | | | | |
| | of domestic energy, deforestation (by area) growth will | | | | | | | | |
| | increase as the same area of forest will not produce as | | | | | | | | |
| | much biomass for fuel compared with the present time. This has implications for erosion in the forested | | | | | | | | |
| | hillsides around Lake Hawassa. The Strategy also notes | | | | | | | | |
| | the need to enhance rainfed agricultural activities, | | | | | | | | |
| | which may reduce sediment erosion. This Strategy, in | | | | | | | | |
| | terms of water and energy, is implemented by both | | | | | | | | |
| | MoWIE and State Governments. Strategic Priority 3.3 | | | | | | | | |
| | refers specifically to the role of River Basin Councils in | | | | | | | | |
| | terms of action. | | | | | | | | |
| Ethiopia's Constitution (1994) | The Constitution outlines the rights and obligations for | Policy | National | Land system | | Moderate | The Constitution underpins all legislation in | | General and very broad but needs to be |
| | all Ethiopians, as well as key institutions important to | | 1 | | | | Ethiopia and provides a basis for the development | | acknowledged. |
| | the functioning of the Republic of Ethiopia. The most | | 1 | | | | and enaction of legislation, regulations and | | |
| | relevant sections include: Article 44 Environmental Rights: All persons have the right to a clean and | | 1 | | | | proclamations, mainly at Federal and State levels. As well as the rights, it also notes obligations on | | |
| | healthy environment in relation to sediment insofar as | | 1 | | | | Governments and citizens that underpins | | |
| | excessive sediment will affect the health of Lake | | 1 | | | | provisions found in other Proclamations (e.g. | | |
| | Hawassa. | | 1 | | | | relating to rural land use or forestry) in terms of | | |
| | Article 51: Powers and Functions of the Federal | | 1 | | | l | providing or removing access to land). The | | |
| | Government: It shall determine and administer the | | 1 | | | | Constitution is applicable across the whole Basin. | | |
| | utilization of the waters or rivers and lakes linking two | | 1 | | | | Whilst the Constitution is of high relevance to | | |
| | or more States or crossing the boundaries of the | | 1 | | | | vertical coordination of governance across | | |
| | national territorial jurisdiction as the Basin is shard across two Regional States. | | 1 | | | | Ethiopia, it is less relevant on a sectoral level but can be used to supporting actions by Enabling and | | |
| | Article 52 Powers and Functions of States: (c) To | | 1 | | | | Supporting Institutions. | | |
| | formulate and execute economic, social and | | 1 | | | | | | |
| | development policies, strategies and plans of the State; | | 1 | | | l | | | |
| | Article 92 Environmental Objectives 2 The design and | | 1 | | | | | | |
| | implementation of programmes and projects of | | 1 | | | | | | |
| | development shall not damage or destroy the | | 1 | | | | | | |
| | environment. 4 Government and citizens shall have the | | 1 | | | | | | |
| | duty to protect the environment as this gives support to ensuring that development programs do not add to | | 1 | | | | | | |
| | environmental degradation | | <u> </u> | | | | | | |
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| Governance Instrument | Description | Туре | Level | S2S segment | S2S sub-segment | Relevance | Strengths of instrument | Gaps in instrument | Additional comments |
|--|--|------|-----------|-------------|-----------------|------------|--|--------------------|--|
| Environmental Impact Assessment | This Proclamation is concerned with managing | Law | National | Land system | | Moderate | The Proclamation gives a strong role to State | • | Many activities related to the generation of |
| Proclamation No. 2991/2002 | activities that have an environmental impact on | | | , | | | Government and respective State Bureau/Agencies | | sediment will not be managed due to their small |
| | receiving environments, but is generally focused on | | | | | | in managing environmental impacts derived from | | individual scales although they can have a |
| | managing larger-scale or more significant activities and | | | | | | development. The definition of Impact and | | significant effect through collective environmenta |
| | projects as opposed to managing land use. In terms of | | | | | | Pollutant would mean that sediment is included. | | degradation. In addition, many sources of sedimen |
| | sediment, the Proclamation may be relevant for | | | | | | and this may suggests a role of EIA units from State | | will not be controlled through this Proclamations |
| | managing sediment flow from development activities | | | | | | Governments in managing processes or activities | | because they are sourced from already existing |
| | across the Hawassa Sub-Basin as well as managing sand | | | | | | that significantly increase sediment flows, including | | activities as opposed to being new activities. The |
| | mining occurring in both lower and upper catchments. | | | | | | through the assessment of structure plans or | | relevance of the Proclamation to sediment is |
| | However, the scale of individual sand-mining activities | | | | | | development plans prepared under urban planning | | assessed as medium as opposed to high as it may |
| | may be of a big enough scale to trigger such control. | | | | | | legislation. However, EIA are most concerned with | | not support proactive action on most activities |
| | Regular and already established land uses, such as | | | | | | new activities as opposed to managing existing | | with the exception of sand-mining or new urban |
| | deforestation, afforestation, or agriculture, may not be | | | | | | activities. The most obvious application is sand- | | development. |
| | significant enough, apart from larger investments in | | | | | | mining but large scale infrastructure projects such | | · |
| | forestry or irrigation projects. "Impact" means any | | | | | | as roading may also create sediment flow. As the | | |
| | change to the environment or to its component that | | | | | | Consultant reports notes "Environmental Impact | | |
| | may affect human health or safety, flora, fauna, soil, | | | | | | Assessment Proclamation (No. 299/2002) notified | | |
| | air, water, climate, natural or cultural heritage, other | | | | | | the mandatory requirements of some specified | | |
| | physical structure, or in general, subsequently alter | | | | | | projects (public or private) to undertake timely EIA, | | |
| | environmental, social, economic or cultural conditions; | | | | | | identifying the likely adverse impacts, incorporate | | |
| | , | | | | | | the means of their prevention with the support of | | |
| | | | | | | | qualified experts". The Proclamation may also | | |
| | | | | | | | apply to land use changes, and therefore may be | | |
| | | | | | | | in conflict with provisions that support growth in | | |
| | | | | | | | agricultural land uses. In terms of the Basin, sand- | | |
| | | | | | | | mining is found mainly in the lower catchments, | | |
| | | | | | | | although the gullies can act as access points | | |
| | | | | | | | meaning some connections to the upper | | |
| | | | | | | | catchment can be found. Globally, sand mining can | | |
| | | | | | | | be an issue in riparian areas or riverbeds but this | | |
| | | | | | | | has not emerged as a issue in this basin at present. | | |
| | | | | | | | | | |
| Environmental Pollution Control Proclamation No. | This proclamation deals with Environmental Pollution | law | National | Land system | | Moderate | As well as outlining roles of different authorities in | | Whilst this Proclamation may be relevant to sand- |
| 3001/2002 | in its many forms, including effluent, management of | Law | Ivational | Land system | | iviouerate | managing environmental pollution in terms of | | mining or other activities that cause environment |
| 3001/2002 | municipal waste, and Monitoring and Evaluation. It | | | | | | vertical coordination, the Proclamation provides | | pollution, it is unclear how much monitoring is |
| | provides for an Environmental Protection Agency at | | | | | | for the role of Environmental Inspectors within the | | undertaken by regional agencies or environmenta |
| | the Federal level, as well as Regional Environmental | | | | | | respective Institutions. These inspectors may be | | inspectors in terms of this issue, and whether sand |
| | Agency found at State levels. The definition of pollutant | | | | | | important for managing sediment flows from | | mining is given a high priority. Various workshops |
| | found in the Proclamation would potentially include | | | | | | urban development and sand mining, especially on | | undertaken within the S2L programme suggest the |
| | sediment, but will definitely include solid waste and | | | | | | environmentally compromised sites, if they trigger | | whilst sand mining is seen as a significant issue, |
| | sediment, but will definitely include solid waste and sediment derived from that sources. The Proclamation | | | | | | intervention. The Proclamation is also applicable to | | overall control is limited as there is more support |
| | makes reference to the role of Courts dealing with | | | | | | ongoing sources of pollution, unlike the EIA | | for the activity as an employment generator for |
| | environmental matters at Federal and State levels, and | | | | | | Proclamation. It is most applicable within the lower | | youth and there are difficulties in fully allocating |
| | this is taken up further through other Proclamations. In | | | | | | catchment and also in relation to the riparian | | responsibilities. |
| | terms of responsibilities, Federal Authorities are | | | | | | areas. | | responsibilities. |
| | responsible for preparing standards, including waste | | | | | | di eds. | | |
| | management, nationally. The Proclamation also | | | | | | | | |
| | recognizes that that States may prepared Standards be | | | | | | | | |
| | more stringent that Federal standards, taking into | | | 1 | | | | | 1 |
| | account the needs in different locations. However, the | | | | | | | | |
| | | | | | | | | | |
| | status of Hawassa as crossing state boundaries could result in differing standards being applied. Whilst this | | | 1 | | | | | 1 |
| | Proclamation may be more relevant to managing | | | 1 | | | | | 1 |
| | plastic litter, solid waste may be responsible for | | | I | 1 | I | | | 1 |
| | significant amounts of sediment going into Lake | | | 1 | | | | | 1 |
| | Hawassa, especially as ash, as noted in the Consultants | | | 1 | | | | | 1 |
| | report (2019). As an example of provisions: Any | | | 1 | | | | | 1 |
| | person engaged in any field of activity which is likely | | | 1 | | | | | 1 |
| | | | | 1 | | | | | 1 |
| | which is to cause pollution or any other environmental | | | 1 | | | | | 1 |
| | hazard shall, when the Authority or the relevant | | | 1 | | | | | 1 |
| | regional environmental agency so decides, install a | | | 1 | | | | | 1 |
| 1 | sound technology that avoids or reduces, to the | | | 1 | | | | | 1 |
| 1 | required minimum, the generation of waste and, when | | | 1 | | | | | 1 |
| | feasible, apply methods for the recycling of waste. | | 1 | 1 | l | 1 | | İ | 1 |
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| Governance Instrument | Description | Туре | Level | S2S segment | S2S sub-segment | Relevance | Strengths of instrument | Gaps in instrument | Additional comments |
|--|--|----------|----------|-------------|-----------------|-----------|---|--------------------|--|
| Environmental Policy 1997 | This policy enacts the Constitution and prepares the way for further legislative activities such as Environmental Impact Assessment. The Proclamation particularly notes deforestation as an important issues in the Opening Summary, and notes that that soil erosion is a very significant problem in Ethiopia with broad impacts on GDP. Specific Policy Objectives include e. To promote effective ground cover as one of the most important factors in soil erosion control, taking advantage of the wide range of sustainable agronomic, postoral and silvicultural approaches used in various areas of Ethiopia as potentially flexible alternatives to mechanical soil conservation systems; f. To promote in drought-prone and low rainfall areas water conservation which is as important as physical soil conservation for more secure and increased biomass production, including crop production, it. To find substitutes for construction and full wood whenever capabilities and other conditions allow, in order to reduce pressure on forests. | | | | | | The Environment Policy provides significant support for managing sediment generated from many different sources. This is predominantly through vertical coordination, but some level of horizontal coordination is anticlipated through provisions on cross-sectoral interactions between forestry, agriculture, and wood-fuel. Whilst sediments sourced from forestry and the expansion of agricultural activities are the main focus within the Policy, the Policy also notes challenges relating to mining, and this may extend to sand-mining activities. | | While the EP still underpins environmental management in Ethiopia, and enacted Proclamations, it is relatively old and may require some a mendment to better support more recent governance activities undertaken in an integrated way. IWRM has been a longstanding policy focus in Ethiopia, but good examples of implementation are limited. |
| Fisheries Development and Utilization Proclamation No. 315/2003 | This proclamation provides the framework for managing Fisheries across Ethiopia. It has limited provision are applicable to sediment management, although it may provide support for interventions through and application of 8. Environmental Protection: The concerned organs of the Federal or Regional Governments shall ensure that development programmes and projects are drawn up in such a way that they will not have direct or indirect negative impact on the fisheries resource constituted in the basin where the programmes or projects are intended | | | | | | The Fishery sector is reliant on adequate fish stocks in Lake Hawassa. Sediment flows can impact on Lake Hawassa fish stock in a negative way, including smothering lake bed shallows and impede fish recruitment, increasing nutrient flow and increase or maintain algal blooms, or reduce transport options on the edges of the lake. In terms of managing sediment, the Proclamation provides support to the industry being involved in discussions around managing sediment, but overall would have a low relevance to management | | Limited use in direct actions around sediment flows that are land-based, but is useful to how support indirect actions such as the development of plans. |
| Forest Development, Conservation and Utilization Proclamation No. 1065/2018 | Forestry to Ethiopia, and includes provisions for managing state forests, cremmunity forests, protected forests, preserved forests, community forests protected forests, preserved forests, private forest developers, amongst others. For example, WHEREAS, forest development, conservation and utilization has a decisive role in preventing soil erosion, desertification and loss of blodwersity. The Proclamation contains detail on rights and obligations for different forest users, according to the types of forest under different managements regimes. The Proclamation also outlines various duties for the Federal Ministry and Regional Government in respect to forests. For example, for managing sediment, the most relevant includes Federal Government shall: 6 frovide technical and moterial support to the regions to establish a sustainable and modern forest development, conservation and utilization system; whereas Regional Government of 5 shall establish or provide the institutional arrangements, budget allocation and manapower required for the implementation of this proclamation; This would indicate a key role for State Governments in sediment emerging from forests. Forests are still prominent on the eastern slopes, but the Consultants report indicates significant land use changes from foresty to agricultural activities over taxes are set of the processing significant land use changes from foresty to agricultural activities over taxes are set of the processing the processing of the processing from foresty. | Law | National | Land system | | Moderate | discussions. The gullies that form an important flow source have often emerged from deforestation activities, whilst the onepions sourcing of wood fuel indirectly supports land use change as biomass is removed. Belete (2019) report noted that the forest of degradation at the source of sediment erosion could have been well managed if stakeholders more strongly execute this proclamation that advocates participatory forest management planning. The report went onto note that the major constraints in forestry development in the subbasin are land and tree tenure, population pressure, land shortage and high demand for agriculture, deforestation, and a lack of collaboration among the concerned institutions. Some of its provisions may come into conflict with provision supporting the expansion of agriculture onto forested lands, which are increasingly rare in the Sub-Basin. | | Whilst forest activities should be included within INRM planning and the Basin Plans being prepared by the RVLBO, implementing this provision is dependent upon the coordinated involvement of State Bureaus involved in managing forests and forestry within wider planning around sediment reduction. Whilst erosion is regularly noted as a concern at Federal levels, it is unclear how much funding is made locally to carry out rehabilitation works. Observations suggest that works are usually carried out as part of community service and that there are limited physical or financial resources available. |
| Agriculture and Natural Resources Sector Growth and Transformation Plan II (2015-2020) | The GTPII is an important Strategy at the Federal level, especially given the project impact of climate change on Agriculture in Ethiopia, including soil erosion. 2. Strategic Objective 2: Reduce Natural Resource Degradation and improve its Productivity. 3. Enhance and strengthen watershed development works. Goal 2.2: Expanding and Strengthening Watershed Works. 6.2 Watershed and Forestry Development Activities. 2.6.1: Enhance and Strengthen Watershed Works. 6.2 Watershed and Forestry Development (J) To develop an incentive structure for farming households to invest in watershed development and sustainable farming. | Strategy | National | Land system | | Moderate | The direct impact of this plan on activities within the Basin is mixed, but it provides strong national support for taking a watershed based approaches to development, including the involvement of communities in projects devoted to reducing sediment flows. This means that substantial indirect pressure. This support also extends to expanding capacity building and developing an incentive structure for activities related to watershed management. This Strategy supports activities in both upper and lower catchment areas, and has medium relevance for approaching the sediment issue. Funding through support for the GTPII could be directed to erosion control, but more importantly, actions need to acknowledge this plan. The plan is useful in terms of horizontal coordination. | | The Plan is applied at a national level and it is unclear how much support makes it to the Basin level. |

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| Irrigation Water Users' Associations Proclamation No. 841/2014 | This proclamation helps to manage demand for limited water resources. Of note in terms of water governance is the following provision: An association formed pursuant to this Proclamation shall have the objectiven of 4 toke appropriate measures to combate resolution, salinity and pollution; Each association shall operate in accordance with the following guiding principles:2/ preventing wastage and pollution of water, combating erosion and salinity of soil and, protecting and administering irrigation and drainge system within the operation area so as to strengthen protection of the environment. Large scale irrigation activities are not evident in the Lake Hawassa Sub-Basin, but up the control of the control of the control of the control of the state Hawassa Sub-Basin, but | | National | Freshwater system | | Weak | This Proclamation will be important if expansion of irrigation occurs in the lower catchments around Lake Hawasa. The workshops noted that the western side of Lake Hawasas has historically seen yeagetable growing as well as make, and there may be plans to invest in the wider basin to meet growth from the Hawasa Urban areas. It is mainly applicable to the lower catchment areas, and potentially riparian areas around the Lake and rivers, but its overall relevance is low. | | No specific weakness in terms of managing sediment |
| | community scale irrigation does occur. Should irrigation expands as part of development or through building climate resilience, more projects may emerge. | | | | | | | | |
| Climate Resilient Green Economy National Adaptation Plan (2019) | The NAP was only released in 2019 and recognizes that investing in soil and water harvesting is an important activity. Provisions of note include 4. Improving soil and water harvesting and water retention mechanisms. The SNNPR specifically includes AO4 Improving soil and water harvesting and water retention mechanisms. whilst in Oromia AO3 Strengthening austinable natural resource management through sofeguarding landscapes and watersheds. In addition, deforestation, landsides, pest infestations, soil erosion and water pollution are among the environmental problems that have emerged in the country, creating further challenges for rural livelihoods, and this NAP is intended to provide hutderaray sunspire. | | | | | | The NAP provides an important role for managing watersheds as a major component for responses to climate change impacts. Some budget will be made available, and an action plan on sediment may be able to access funding from this source if an explicit connection to climate change exacerbating the present challenges around managing sediment can be made. Whilst it is assessed to be medium relevance, this may change to high relevance in the future as activities and plans are aligned more strongly with the NAP. | | The NAP is a national document and may not result in significant resources distributed locally. The NAP has also only just been approved and it is unclear whether associated budgets and plans are also approved and how this will be managed, including the alignment of present Federal, State or Local plans. |
| A Proclamation to Provide for the Establishment of Oromia Bureau of Land and Environment Protection. Proclamation 147/2009 | | Law | State | Land system | | Moderate | This Proclamation supports the creation of the Bureaus that can apply environmental impact assessment and environmental pollution control in parts of the Sub-Basin, but more importantly, outlines and defines the role of these Bureaus in applying land use planning. It would have relevance across the whole component of Oromia found in the sub-Basin, and would be highly relevant across upper and lower catchments and riparian areas. | | No specific weakness noted, as water and connections to water through land management are included within the definition of environment. |

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| Oromia Region Rural Land Administration and Use | This Proclamation is highly significant for the | Regulation | State | Land system | | Moderate | This State Proclamation is important for developing | | The key weakness found in the document is the |
| Regulation No.151/2012 | Governance framework as it sets our the various | | | , | | | activities that mitigate sediment flow from land | | lack of many explicit connections between land |
| | responsibilities of different institutions within the | | | | | | uses, including both agricultural uses as well as | | uses and associated receiving waters, with the |
| | Oromia Region. At The Rural Land Use plan is | | | | | | pastoral. It outlines roles for different institutions | | exception of provisions found in regards to forest |
| | important for demarcating appropriate activities for | | | | | | within the region in terms of implementation, | | remnants. Whilst water connections are found |
| | different parts of the Sub-Basin, including those which | | | | | | highlighting the role of State Bureaus, thereby | | throughout the proclamation, it is unclear how |
| | may be important sources of sediment flow. The plans | | | | | | supporting vertical coordination. Importantly, in | | much these are included within watershed based |
| | developed under this proclamation should take a | | | | | | terms of biophysical attributes, it specifically | | land use planning undertaken by Oromia State |
| | watershed approach, and all users will have rights and | | | | | | outlines the need to protect highly sloped hillsides | | Government, or to the Basin Plans prepared by the |
| | obligations under its auspices. Of particular note are | | | | | | and forest remnants found in the upper | | RVLBDO. |
| | provisions surrounding the types of activities that can | | | | | | catchments, which would include those in the Lake | | |
| | be undertaken in already degraded locations. | | | | | | Hawassa basin. Watershed Plans are explicitly | | |
| | Provisions include. 1. The Bureau shall conduct study | | | | | | noted as a requirement. It also notes that role of | | |
| | and prepare at all level land use planning based on watershed that considering the socio-economic | | | | | | the Bureau in providing information to Investment Offices, and therefore the connection to that | | |
| | development, the natural resources situation, current | | | | | | Ministry. It is less likely to impact on Urban land | | |
| | land use and etc. of the region with full participation of | | | | | | sources, with the exception of peri-urban areas | | |
| | the community. 2. Any person who has the rural land | | | | | | found around Hawassa and other sub-cities found | | |
| | use right shall be prohibited to flow his land in a way | | | | | | in the Basin. | | |
| | that resulted in erosion of soil. 2. Causing | | | | | | | | |
| | soil erosion that result in devastation of grasses due to | | | | | | | | |
| | over grazing is prohibited. | | | | | | | | |
| | 22. Protect and Conservation of Sloppy Lands, | | | | | | | | |
| | Mountainous, Hills and Gorges 2. Any person who has | | | | | | | | |
| | the right to use rural land is obliged to use the sloppy | | 1 | | | I | | | |
| | and hilly land only for the recommended purpose by | | | | | | | | |
| | keeping slopes determined by professionals. 3. Gorge | | | | | | | | |
| | lands or degraded lands shall be protected by planting | | 1 | | | I | | | |
| | selective plants like coffee, mango, avocado, and other | | | | | | | | |
| | fodder trees and are forbidden to use for crops or for | | | | | | | | |
| | free grazing. 1. The remnant forest lands on farmland, | | | | | | | | |
| | grazing land, stream banks, and hilly areas, shall not be used for farm lands by eliminating remnant forest. | | | | | | | | |
| | ,.,. | | | | | | | | |
| River Basin Councils and Authorities Proclamation No. | This Proclamation brings into force a more integrated | Law | National | Freshwater system | | Moderate | The main strength of this Proclamation is its highly | | It is noted that the Basin Plan will strongly support |
| 534/2007. | approach to water resources management in Ethiopia, | | | | | | integrated approach, and relatively high detail of | | direct actions in relation to water management and |
| | and helps to enact various provisions found in the | | | | | | the roles and responsibilities of the River Basin | | allocation, but is less relevant to activities such as |
| | Constitution and other strategies, policies and | | | | | | Councils. Such an approach allows for a wider | | erosion control. The Basin Plans will not be able to |
| | proclamations found across Ethiopia. The River Basin | | | | | | perspective on the challenges relating to managing | | be used to compel actions to be taken by other |
| | Councils were set up as a new component of | | | | | | water compared with Regional States, and the | | authorities, with the exception of water permitting. |
| | Governance within Ethiopia, and to give effect to the ongoing promotion of IWRM. The RBC's have an | | | | | | Basin Plan may be an important tool for coordinating activities from many different | | Many of the regulatory actions or budgetary support needed to manage sediment flows are |
| | important role in providing knowledge and guidance to | | | | | | agencies, especially with the provisions for setting | | undertaken by other agencies and under different |
| | other regulatory agencies, especially through the | | | | | | up a forum and the provision policy guidance | | Proclamations, and while there is a duty to |
| | vehicle of the mandated Basin plan as well as the role | | | | | | designed to implement IWRM across the Basin. The | | cooperate with the Basin Planning process, it is |
| | of activity coordination, including both vertical and | | | | | | Proclamation has a direct connection to the Lakes. | | unclear how much provisions in these Basin Plans |
| | horizontal. This is especially relevant in addressing | | | | | | Rivers, and Riparian areas, and an indirect | | are operationalized through watershed and other |
| | sediment as there are many different sources of | | | | | | connection through IWRM to the upper and lower | | land use plans made by Regional Authorities. |
| | sediment found in the Basin, each being governed | | | | | | sheds in terms of managing sediment. Its relevance | | |
| | under different Proclamations and by different | | | | | | is assessed as high as it is supportive of coordinated | | |
| | institutions. | | | | | | actions in terms of managing impacts of land based | | |
| | | | | | | | activities on water, predominantly through the | | |
| | | | | | | | basin plans created throughout the Rift Valley | | |
| | | | | | | | Lakes Basins, but may be medium in terms of the | | |
| Federal Democratic Republic of Ethiopia Rural Land | The Proclamation provides for the rights and | law | National | Freshwater system | - | Strong | unner catchment This Proclamation sets the basic conditions of rural | | The main weakness of this document is that only |
| Administration and Land Use Proclamation No. | obligations around land use across Ethiopia, including | LdW | Hanonai | i i esiiwatei system | | Strong | land use across Ethiopia, and the responsibilities of | | concentrated on the basic aspects of rural use in |
| 456/2005 | the development of rural land use plans, use of | | | | | | various agencies and institutions. Whilst it is | | Ethiopia, leaving any detail to the Regional States |
| , 2003 | degraded or marginal lands, and the various roles of | | 1 | | | I | primarily interested in the appropriate distribution | | Governments to implement. Whilst this is expected |
| | Federal and Regional State authorities. Provisions of | | | | | | of land, it still outlines why certain lands may or | | within such a devolved approach, it can create |
| | notes include: 1/ A holder of rural land shall be | | 1 | | | I | may not be available for use. The Proclamation | | difficulties within basins that cover two more |
| | obliged to use and protect his land. When the land gets | | 1 | | 1 | I | also outlines the responsibilities of the Targeted | | regional states, as is the case in the Lake Hawassa |
| | damaged, the user of the land shall lose his use right.3/ | | | | | | Stakeholders in terms of managing the land | | Basin. |
| | In any type of rural land where soil and water | | 1 | | 1 | I | appropriately. Belete (2019) notes that Rural Land | | |
| | conservation works have been undertaken a system of | | | | | | Administration and Land Use Proclamations define | | |
| | free grazing shall be prohibited and a system of cut | | | | | | the rights and obligations of users of rural land, | | |
| | arid carry feeding shall be introduced step by step. 7/ | | 1 | | 1 | I | including traditional subsistence farmers. Thus, | | |
| | Rural land of any slope which is highly degraded shall | | | | | | protection of land becomes an obligation and | | |
| | be closed from human and animal interference fora | | 1 | | 1 | I | failure to protect can lead to loss of title. Belete | | |
| | given period of time to let it recover, and shall be put | | 1 | | 1 | I | (2019) also noted that farmers are not practicing | | |
| | to use when ascertained that it has recovered. Unless | | | | | | the appropriate soil and water conservation | | |
| | the degradation is caused by the negligence of the | | | | | | measures in their farm against their obligations set | | |
| | peasant farmers, semi pastoralist and pastoralist the | | | | | | by the rural land users, and land use restrictions. It | | |
| | users shall begin compensation or other alternatives for the interim period. 8/ rural lands that have gullies | | 1 | | 1 | I | is assessed as high relevant to most sediment management activities throughout the rural parts | | |
| | for the interim period. 8/ rural lands that have guilles shall be made to rehabilitate by private and | | | | | | of the Sub-Basin. | | |
| | neighbouring holders and, as appropriate, by the local | | 1 | | | I | of the Sub-basili. | | |
| | community, using biological and physical works. 9/ | | 1 | | 1 | I | | | |
| | Rural lands that have aullies and are located on hilly | | | | | | | | |
| | areas shall be rehabilitated and developed | | 1 | | 1 | I | | | |
| | communally and as appropriate by "private | | | | | | | | |

| Governance Instrument | Description | Туре | Level | S2S segment | S2S sub-segment | Relevance | Strengths of instrument | Gaps in instrument | Additional comments |
|---|--|------|-------|-------------|-----------------|-----------|--|--------------------|---|
| The Southern Nations. Nationalities and Peoples Region Rural Land Administration and Use Proclamation No.110/2007 | This Proclamation is highly significant for governance in Lake Hawassa as it sets out the various responsibilities of different institutions within the SNNPR Region. The rural land use plan is important for demarcating appropriate activities for different parts of the Sub-Basin, including for soil conservation and mining. The plans to developed under this proclamation should take a watershed approach, and all users will have rights and obligations under its auspices. Of particular note are provisions surrounding activities that can be undertaken in already degraded locations. | Law | State | Land system | | | This Proclamation enacts and parallels similar Proclamations found at Federal levels, and repeats many of the Provisions found therein. It does, however, differ slightly as there is more attention paid to the needs of women and youth in terms of rural land distribution compared with the former document. Belete (2019) report notes that Rural Land Administration and Land Use Proclamations define the rights and obligations of users of rural land, including traditional subsistence farmers. Thus, protection of land becomes an obligation and failure to protect can lead to loss of title. The Report also noted that farmers are not practicing the appropriate soil and water conservation measures in their farm against their obligations set by the rural land users, and land use restrictions. The Proclamation is important in managing existing activities that create sediment, not just new activities or land use change, and is an important component of governance. | | The key weakness for this Proclamation is that it is mainly derived from the National Proclamation and includes little that is context specific to SNMPR. For example, unlike the similar Proclamation found in the Oromia equivalent, there are no provisions in relation to watershed planning found in this Proclamation. Whilst there may still be rural land use plans found in the region, these may be less issue connected than a watershed plan would likely be. |
| Urban Local Government Proclamation of the Oromia Proclamation No. 65/2003 | This State level Proclamation sets out the responsibilities for lower tiers of governance when managing of urban areas. Provisions of note in respect to sediment management include 7. Objective of Urban Local Governments; 3. ensure the provision of efficient and equitable urban services to residents in a sustainable manner; 6) promote a safe and clean urban environments suitable for development, work and residence; 9) Functions of Urban Local Governments; (a) To provide efficient, effective and equitable services to the residents; especially environmental service construction and management of city roads, sewerage and drainage lines, parks and recreation areas, waste disposal, prevention and control of pollution etc.) to prepare, revise, update and implement its city plan 45. Establishment An urban local government may establish a city court severally or in conjunction with other neighbouring cities. Details shall be defined by Regulations of the Regional Executive Council. 47. Jurisdiction over the following cases: 1) Implementation of urban planning laws; 2) Housing and urban land use 4) Environmental sanitation: 5) Municipal services; and BUREAU OF INDUSTRY AND URBAN DEVELOPMENT 53. Urban Local Governments and the Bureau The Bureau shall 1) Without prejudice to other functions given to the Bureau to the Havs, the Bureau shall have the power to lead the affairs of urban local | Law | State | Land system | | Weak | Limited applicability around Lake Hawassa in the portion of Oromia, but as the population growth, it may be required at a later date. Provisions are mainly applicable around the lower catchments where urban growth may occur. | | Limited applicability to issues around sediment, especially in the relatively flat parts of Lake Hawassa. |

| Governance Instrument | Description | Туре | Level | S2S segment | S2S sub-segment | Relevance | Strengths of instrument | Gaps in instrument | Additional comments |
|---|---|------------|-----------|-------------------|-----------------|------------|--|--------------------|--|
| A Proclamation to Provide for Urban Plans | This Proclamation provides the foundation of urban | Law | National | Land system | Urban | Moderate | The main strength of this Proclamation is its highly | cups in instrument | Limited applicability to issues around sediment |
| Proclamation No. 574/2008 | planning and activities across Ethiopia. Provisions of | LdW | ivational | Lanu system | Orban | iviouerate | integrated approach with regards to urban | | beyond the urban areas, especially in the relatively |
| FIOCIAIIIAUOII NO. 374/2008 | note include | | | | | | planning, and relatively high detail of the roles and | | flat parts of Lake Hawassa. |
| | 2/ to regulate and facilitate development activities in | | | | | | responsibilities of urban authorities. Such an | | nat parts of take nawassa. |
| | urban centres and thereby enhance economic | | | | | | approach allows for a wider perspective on the | | |
| | development of the country;5. Basic Principles3/ | | | | | | challenges relating to managing waste. The | | |
| | consideration of inter-urban and urban-rural | | | | | | Consultants report noted the high content of ash | | |
| | linkages;7/ safeguarding the community and the | | | | | | and dust within solid waste, echoing an earlier | | |
| | environment;7. | | | | | | report from the World Bank on the same matter. In | | |
| | 18. Urban Plan Implementation | | | | | | addition, ongoing land use changes moving from | | |
| | There shall be clear strategy, regulations, directives | | | | | | rural to peri-rural to urban land can generate | | |
| | and organized executive organs to support the | | | | | | erosion, depending on local conditions. In addition, | | |
| | implementation of urban plans. | | | | | | sediment often collects within local drainage and | | |
| | 2 0. Power to Implement Urban Plans | | | | | | the way this is managed will have an impact on | | |
| | Every chartered city or urban administration shall, in | | | | | | sediment flows from urban areas. It was assessed | | |
| | the implementation of urban plans, have the powers | | | | | | as medium relevance in terms of managing land | | |
| | to:3/ coordinate, to the extent necessary for the | | | | | | development and sediment sourced from solid | | |
| | implementation of the plan, the activities of | | | | | | waste in urban areas. | | |
| | government offices, development enterprises, service | | | | | | waste iii ui baii ai eas. | | |
| | rendering institutions, private undertakings and other | | | | | | | | |
| | stakeholders operating within the area. | 1 | 1 | 1 | | | | | |
| | 26. Underlying Principles The following principles shall | 1 | 1 | 1 | | | | | |
| | be adhered to in any process of development | 1 | 1 | Ī | | 1 | | | |
| | | | | | | | | | |
| | authorization: 1/ensuring economical and sustainable | | | | | | | | |
| | use of land; 2/ ascertaining the support of environmental impact assessment study with respect | | | | | | | | |
| | | | | | | | | | |
| | to development projects likely to have major | | | | | | | | |
| | environmental repercussions; 3/ provision of basic | | | | | | | | |
| | infrastructure during land allocation for development | | | | | | | | |
| Ethiopian Water Resources Management Regulations | This Proclamation is primarily concerned with the | Regulation | National | Freshwater system | | Weak | Limited applicability with the possible exception of | | Limited applicability |
| Council of Ministers Regulation No. 115/2005 | policy framework around the issuance of water | | | , | | | managing irrigation works construction and | | , |
| • | permits, the transmission of wastewater into receiving | | | | | | possible erosion around watercourses that emerge | | |
| | bodies, the development of new water sources, and | | | | | | from that source. Provisions are mainly applicable | | |
| | the Water User Cooperative Associations that may | | | | | | around the lower catchments. However, the | | |
| | initiate irrigation infrastructure. There are limited | | | | | | Regulation could have more impact in the future if | | |
| | provisions applicable to sediment, although ill- | | | | | | there is increased investment in irrigation as part of | | |
| | managed irrigation can result in sediment issues. | | | | | | the NAP. | | |
| | 0 | | | | | | | | |
| Ethiopian Water Resources Management Proclamation | The Proclamation sets out the national approach to | Law | National | Freshwater system | | Moderate | The key strength of this Provision is that it provided | | The main weakness of this Proclamation is that it |
| No. 197/2000 | water resources management, including the use of | | | | | | legislative support for undertaking IWRM across | | doesn't clearly delineate the management roles of |
| | Basin management, controls around water pollution, | | | | | | Ethiopia, including the roles and responsibilities of | | different agencies in relation to some sources of |
| | and the promotion of IWRM. It sets out provisions in | | | | | | different institutions as well as the use of master | | sediment such as forested areas and this may need |
| | relation to both water bodies and the bank or riparian | | | | | | plans. Belete (2019) noted that the Proclamations | | to be taken into account in future action planning. |
| | areas of water bodies. Several provisions in the | | | | | | covers certain elements of water resources | | |
| | Proclamation are of note in regards to sediment flows. | 1 | 1 | 1 | | | management including soil and water conservation | | |
| | These include: 16) "Banks of water bodies" means land | 1 | 1 | 1 | | | measures to reduce sediment soil erosion and lakes | | |
| | whose boundaries and/or distance is determined by | l | 1 | 1 | | | siltation; local community participation in sub- | | |
| | the Supervising Body and by the relevant Public | 1 | 1 | 1 | | | basin management and water conservation | | |
| | authority and includes any area on which water body | 1 | 1 | 1 | | | measures and practices; a recognition of wetlands | | |
| | exists. | 1 | 1 | 1 | | | as a key feature in watershed management. It is | | |
| | 19) "Water resource management" means activities | 1 | 1 | 1 | | | applicable to most parts of the sub-basin, but with | | |
| | that include water resources development, utilization, | | | | | | an emphasis on water bodies and associated banks | | |
| | conservation, protection and control. | 1 | 1 | Ī | | 1 | and sediment derived from this source. | | |
| | 2) The social and economic development programmes, | l | 1 | 1 | | | | | |
| | Investment plans and programmes and water | 1 | 1 | 1 | | | | | |
| | resources development activity of any person, shall be | 1 | 1 | 1 | | | | | |
| | based on the country's Water Resources Policy, | l | 1 | 1 | | | | | |
| | relevant Basin Master Plan Studies and Water | 1 | 1 | 1 | | | | | |
| | Resources laws | 1 | 1 | 1 | | | | | |
| | 25. Protection of Banks of Water Bodies | 1 | 1 | Ī | | 1 | | | |
| | The Supervising body, in collaboration and in | 1 | 1 | 1 | | | | | |
| | consultation with the appropriate public body may: | l | 1 | 1 | | | | | |
| | Delimit the boundaries of the banks of certain water | 1 | 1 | 1 | | | | | |
| | bodies: | 1 | 1 | 1 | | | | | |
| | Prohibit clearing, cutting trees or vegetation and | 1 | 1 | Ī | | 1 | | | |
| | construction of residential houses within the delimited | 1 | 1 | 1 | | | | | |
| | hanks of water hadies. The details shall be determined | | ĺ | | | | | | |

| Commence landsomerat | Dinti | Toma | Level | C2C | C2C sub-servent | Deleveres | Character of instrument | Complie leaders and | a ddialand annual and |
|--|---|------------|-----------|-------------|-----------------|-----------|--|---------------------|--|
| Governance Instrument | Description | Туре | Level | S2S segment | S2S sub-segment | Relevance | Strengths of instrument | Gaps in instrument | Additional comments |
| Conservation Strategy of Ethiopia | This Strategy, in concert with the Environment Policy | Strategy | National | Multiple | | Moderate | As noted in Belete (2019), the Conservation Strategy of Ethiopia provides a framework for | | The Conservation Strategy underpins most environmental legislation in Ethiopia, and |
| | and the Constitution provides the foundation for | | | | | | integrating environmental planning into new and | | recognizes the important issue of land degradation. |
| | environmental management and associated | | | | | | existing policies, programmes and projects. The | | But many of the activities in the strategy may be |
| | Proclamations and institutional agendas, and activities | | | | | | Conservation Strategy of Ethiopia and the | | outdated. |
| | across Ethiopia. A number of the sections and policies | | | | | | environmental policy of Ethiopia (EPE 1997) | | outduted. |
| | may reference to concerns over erosion and land | | | | | | provides a framework for integrating | | |
| | degradation. These include: | | | | | | environmental planning into new and existing | | |
| | Here in this ecologically fragile environment rainfed | | | | | | policies, programmes and projects. It recognizes | | |
| | cropping is causing soil erosion on unsuitable soils and | | | | | | the importance of incorporating environmental | | |
| | increasingly sedentarised herds are causing both soil | | | | | | factors into development activities from the | | |
| | and pasture degradation. | | | | | | outset, so that planners may take into account | | |
| | Land degradation has many expressions including soil | | | | | | environmental protection as an essential | | |
| | removal by sheet and gulley erosion, nutrient | | | | | | component of economic and social development. | | |
| | depletion due to burning of dung and other forms of | | | | | | Whilst applicable to Enabling Stakeholders in terms | | |
| | biomass, nutrient loss due to crop removals without replacement and the continued loss and degradation | | | | | | of providing support on sediment management | | |
| | of forest areas contributing to all of the above. | | | | | | actions and applicable legislation or regulation, it was assessed as low relevance as it isn't directly | | |
| | Effective ground cover should be seen as one of the | | | | | | relevant. | | |
| | most important factors in soil erosion control and a | | | | | | relevant | | |
| | wide range of sustainable agronomic, pastoral and | | | | | | | | |
| | silvicultural approaches used in various areas of | | | | | | | | |
| | The underlying and deep rooted causes of land | | | | | | | | |
| | degradation have been to a very large degree the | | | | | | | | |
| | result of government and policy failures over the | | | | | | | | |
| | millennium with particular respect to natural resource | | | | | | | | |
| Agricultural Development Led Industrialization | This Strategy is a longstanding instrument for Ethiopia. | Stratom | National | Land system | | Strong | This stratagy strasses the importance of | | As the Strategy helps to ensure an expansion of |
| Agricultural Development Led Industrialization | This Strategy is a longstanding instrument for Ethiopia. It envisages using agricultural development as the | orrategy | National | Land system | | Strong | This strategy stresses the importance of improvements in existing agricultural land | | As the Strategy helps to encourage an expansion of agricultural activities that may exacerbate soil |
| | engine for economic diversification and | | | | | | productivity, in order to increase agricultural | | erosion through land use changes or more |
| | industrialization. It is still the government's core policy | | | | | | activities and to catalyse the expansion of | | intensive uses of land, it is dependent on other |
| | for rural development as well as overall economic | | | | | | industries that process agricultural outputs. It has | | strategies or Proclamations to managed the impact |
| | development throughout Ethiopia. The Strategy helps | | | | | | formed a key part of Ethiopia's development | | from this expansion. |
| | to encourage an expansion of agricultural activities that | | | | | | strategy since its inception. This strategy has | | |
| | may exacerbate soil erosion through land use changes | | | | | | limited impact in terms of managing sediment | | |
| | or more intensive uses of land. | | | | | | flows but as it has an impact in driving increases in | | |
| | | | | | | | agriculture land conversion across Ethiopia. | | |
| RURAL DEVELOPMENT POLICY AND STRATEGIES(2002) | | Policy | National | Land system | | Moderate | This Strategy continues to play a role in the | | As the Strategy helps to encourage an expansion of |
| | development and how it is based upon the | | | | | | development and implementation of other | | agricultural activities that may exacerbate soil |
| | Government Ownership and allocation of land. The | | | | | | strategies and regulation relating to rural land use | | erosion through land use changes or more |
| | various Proclamations promulgated at Federal and | | | | | | and development. It is quite clear that soil erosion | | intensive uses of land, it is dependent on other |
| | State level support this position, along with the rights and responsibilities with being allocated land. It also | | | | | | should be avoided but also notes the need to take measures that make the hillsides more productive. | | strategies or Proclamations at State or Federal levels to manage impact from this expansion. |
| | details the roles of different institutions in rural | | | | | | Federal Rural Development Policy pays attention to | | levels to manage impact from this expansion. |
| | development. The Strategy displays a preference for | | | | | | the land tenure issue and the proper use of land, | | |
| | improving productivity of established land as opposed | | | | | | although these standards are left to other | | |
| | to increasing the amount of land devoted to | | | | | | documents. The objective of this policy is that it | | |
| | agricultural and horticultural uses. For example: Our | | | | | | promotes the expansion of agricultural activity, but | | |
| | agricultural development strategy seeks to increase | | | | | | mainly on existing lands. | | |
| | productivity on lands suitable for farming through the | | | | | | | | |
| | use of improved technologies and water conservation | | | | | | | | |
| | measures. As output per land holding increase, farmers | | | | | | | | |
| | will be | | | | | | | | |
| | less likely to expand into forests and hillside, which | | | | | | | | |
| | would otherwise aggravate soil erosion. Nevertheless, | | | | | | | | |
| | hillsides and forested land will be most effectively protected only if suitable and appropriate uses can be | | | 1 | | 1 | | | |
| | found for them. | | | | | | | | |
| | Hence, we will promote the use of hillsides for pasture, | | | | | | | | |
| | or for various plants, which do not require farming | | | 1 | | 1 | | | |
| | proper, but will allow farmers to obtain some income | | | | | | | | |
| | from such lands | | | | | Ļ | | | |
| Food security strategy (2002) | The improvement of food security and agriculture has | Strategy | National | Land system | | Strong | This strategy continues to underpin other efforts in | | No Specific weakness. |
| | been a longstanding commitment by the Republic of | | | 1 | | 1 | building food security in Ethiopia, but also | | |
| | Ethiopia. Whilst much of the strategy is concerned with | | | 1 | | 1 | recognizes the pressure that this has in terms of | | |
| | increasing agricultural production, it also raise a concern in regards to the impact of pastoralism. | | | 1 | | 1 | land degradation. | | |
| | Provisions of note include: 57. Increases in human and | | | 1 | | 1 | | | |
| | livestock populations have put pressure on rangeland | | | | | | | | |
| | resources resulting in soil erosion, deforestation and | | | 1 | | 1 | | | |
| | bush encroachment, thus increasing the vulnerability | | | | | | | | |
| | of pastoral communities. Improving livestock | | | | | | | | |
| | development and diversification outside pastoralism or | | | | | | | | |
| | directing to agro-pastoralism will strengthen their | | | | | | | | |
| | economic base and reduce their food insecurity. | | | | | L | | | |
| Hawassa City Bylaws | Hawassa city bylaws give effect to Regional States | Regulation | Municipal | Land system | | Moderate | Specific provisions should be obtained | | Specific provisions should be obtained |
| | legislation. These bylaws are likely to include solid | | | | | | | | |
| | waste provisions, and this may effect sediment being | | | | | | | | |
| | sourced from urban areas. | | 1 | l | 1 | l | | | |

| Governance Instrument | Description | Type | Level | S2S segment | S2S sub-segment | Relevance | Strengths of instrument | Gaps in instrument | Additional comments |
|--|--|------------|-----------|-------------------|-----------------|-----------|--|--------------------|--|
| Wereda Bylaws | Wereda is the next level of governance below regional | Regulation | Local | Land system | | Moderate | Specific provisions should be obtained | | Specific provisions should be obtained |
| | states and bylaws give effect to the Regional State | | | | | | | | |
| | legislation. 70% of local funding is sourced from the | | | | | | | | |
| | State, and local plans are developed and enacted at the | | | | | | | | |
| | local level. Most of the sediment generated in the Lake Hawassa Basin is sourced from various rural weredas, | | | | | | | | |
| | and local bylaws may be in existence. | | | | | | | | |
| Kebele Bylaws | Kebeles are the level of governance that sits below | Regulation | Local | Land system | | Moderate | Specific provisions should be obtained | | Specific provisions should be obtained |
| · · | Weredas, and may have provisions or bylaws | | | | | | | | |
| | applicable to the management of sediment. | | | | | | | | |
| Oromia Plans | Oromia Regional State prepared a number of plans and | Plan | State | Land system | | Moderate | Specific provisions should be obtained | | Specific provisions should be obtained |
| | strategies in accordance with the powers granted it, | | | | | | | | |
| | along with key Proclamations made nationally. Funding | | | | | | | | |
| | and resources are made available through funding used to support the States activities, and there for this will | | | | | | | | |
| | have an influences on funding made available for | | | | | | | | |
| | addressing sediment issues, both state-wide and at | | | | | | | | |
| | lower governance levels. Only a small proportion of the | | | | | | | | |
| | Basin is found in Oromia State. | | | | | | | | |
| SNNPR Plans | SNNPR Regional State prepared a number of plans and | Plan | State | Land system | | Moderate | Specific provisions should be obtained | | Specific provisions should be obtained |
| | strategies in accordance with the powers granted it, | | | | | | | | |
| | along with key Proclamations made nationally. Funding and resources are made available through funding used | | 1 | | | | | | |
| | to support the States activities, and there for this will | | 1 | | | | | | |
| | have an influences on funding made available for | | | | | | | | |
| | addressing sediment issues, both state-wide and at | | | | | | | | |
| | lower governance levels. Most of the wereda and | | | | | | | | |
| | kebeles found in Lake Hawassa Basin are found in the | | | | | | | | |
| | SNNPR region. | | | | | | | | |
| RVLBDO Basin Plans | | Plan | Basin | Freshwater system | | Moderate | Present and Future Basin Plans should be assessed | | Present and Future Basin Plans could be assessed |
| | of power under the Rivers Basin Council legislation, mainly in terms of providing longer term strategic | | | | | | | | |
| | planning for water resources that is implemented | | | | | | | | |
| | according to IWRM approaches, and for the protection | | | | | | | | |
| | of water resources from overallocation or in the | | | | | | | | |
| | physical vicinity of water bodies. Both the original basin | | | | | | | | |
| | plan as well as the present draft make extensive | | | | | | | | |
| | reference to sediment, especially in terms of its impact | | | | | | | | |
| | and source, but are more limited in terms of responses, | | | | | | | | |
| | except for recognising the role of MEFCC. While the basin plan recognises the role of different institutions in | | | | | | | | |
| | managing sediment, it does not appear to act as a | | | | | | | | |
| | coordination mechanism of different agencies. | | | | | | | | |
| | | | | | | | | | |
| Hawassa City Administration Master Plan | Sediment derived from urban locations can be highly | Plan | Municipal | Land system | | Moderate | Specific provisions should be obtained | | Specific provisions should be obtained |
| | significant for Lake Hawassa, and due attention should | | | | | | | | |
| | be paid to land development activities that generate sediment that flows into Lake Hawassa. | | | | | | | | |
| NatureRes Protecting Lake Hawassa Stewardship | This Project, supported by GIZ provides for the | Agreement | Basin | Freshwater system | | Moderate | The main strength of this agreement is that is can | | The main weakness of this group is that there is |
| Project | collaboration of multiple public and private | coment | | | | | help coordinate a wide variety of institutions | | limited resources available. |
| • | stakeholders in protecting and rehabilitation of Lake | | 1 | | | | efforts in the pursuit of improved outcomes, | | |
| | Hawassa, mainly through managing land impacts in the | | 1 | | | | identify priorities for action, and funnel resources | | |
| | contributing sub-Basin. | | 1 | | | | to priority actions. It is applicable across the whole | | |
| Contribution of Management Investors 1.5 | This is a second of the second | Charter | Madaaal | land make m | | | Sub-Basin. | | The sector continues of this to the state of |
| Sustainable Land Management Investment Framework | This longstanding national approach and framework is aimed at the restoration, maintenance, and | strategy | National | Land system | | Moderate | The main strength of this Strategy is that it provides resources and investment for strengthened land | | The main weakness of this is that clear connections to water are not articulated. |
| | enhancement of the productive function of land across | | 1 | | | | management across Ethiopia. It is applicable | | to water are not disticulated. |
| | Ethiopia. The improved use and management of land is | | 1 | | | | throughout the rural areas of the Lake Hawassa | | |
| | supported to leading to improved economic and social | | 1 | | | | Basin. | | |
| | well-being of those who depend on these resources | | 1 | | | | | | |
| | while preserving the ecological functions of these lands. | | | | | | | | |
| | The Framework has long recognized that that land | | 1 | | | | | | |
| | degradation is a serious issue with economic, social, | | 1 | | | | | | |
| | and environmental problem consequences in Ethiopia. | | 1 | | | | | | |
| | It supports efforts to protect and rehabilitate the stability, functions of, and services derived from natural | | | | | | | | |
| | ecosystems. This is carried out though actions at | | 1 | | | | | | |
| | community planning levels, through enhance | | 1 | | | | | | |
| | monitoring of land, and to share experience and | | | | | | | | |
| | knowledge across Ethiopia. Improved land tenure is | | 1 | | | | | | |
| | also a feature of the Framework. | | 1 | | | | | | |
| | | | | | | | | | |

| Governance Instrument | Description | Type | Level | S2S segment | S2S sub-segment | Relevance | Strengths of instrument | Gaps in instrument | Additional comments |
|---|--|------------|----------|-------------------|-----------------|-----------|--|--------------------|--|
| SNNP Regional Government Fisheries Development, | The State Proclamation has some relevance to | Regulation | State | Freshwater system | | Weak | The Fishery sector is reliant on adequate fish stocks | | The main weakness is that there are fewer direct |
| Management & Control Regulation (Proclamation No. | sediment management, especially close to water | | | | | | in Lake Hawassa. Sediment can impact on the Lake | | actions that connect fisheries with solid waste |
| 62/1999; 78/2004) & Directive (2007) | bodies. Provisions of note include: 3. Without Prejudice | | | | | | Hawassa fishery in several ways, including | | management. |
| | to the provision of this Article sub-Article 2 for the | | | | | | smothering lake bed shallows where fish | | |
| | purpose of maintaining of natural balance in the in the | | | | | | recruitment is found, affecting fish gills and growth, | | |
| | water bodies, it is | | | | | | or potentially creating transport issues. The | | |
| | forbidden to till any surroundings land of any water | | | | | | Proclamation gives support to the industry being | | |
| | body in radius of 1 km. 4. The bureau shall ensure that | | | | | | involved in discussions around managing sediment, | | |
| 1 | development programs and projects are drawn up in | | | | | | but more importantly sources of sediment close to | | |
| | such a way that they will not have direct or indirect | | | | | | water bodies. Some use in direct actions around | | |
| | negative impacts on the fisheries resources constituted | | | | | | sediment flows that are land-based and within 1km | | |
| 1 | in the basin where the programs or projects are | | | | | | of the water bodies. | | |
| | intended to be implemented. | | | | | | | | |
| | At present, this appear to only be a draft version, but it | Strategy | National | Freshwater system | | Weak | This programme will underpin investments made at | | Not in effect |
| | is likely to provide direction of water management in | | | | | | the national level in regards to water management, | | |
| | Ethiopia. It outlines the basic structure of water | | | | | | including wastewater, sanitation and solid waste. | | |
| | governance in Ethiopia, supports consistency in | | | | | | However, until it comes into effect, it will have little | | |
| | managing environmental pollution, and allocation of | | | | | | direct influence in terms of planning and budgeting. | | |
| | responsibility to different institutions that influence | | | | | | | | |
| | waste management. Provisions of note include: 4. To | | | | | | | | |
| | support major towns to come with systems for safe | | | | | | | | |
| | disposal of urban liquid and solid waste management | | | | | | | | |
| | The Basin Administration Directorate of MoWIE carry | | | | | | | | |
| | out watershed development activity, particularly in | | | | | | | | |
| | areas where reservoirs are vulnerable to erosion the co- | ł | l | | | | | | |
| 1 | benefit of which is improving agricultural productivity. | ĺ | l | | | | | | |
| | Although the priorities in the intervention may differ, | 1 | l | | | | | | |
| i | the activity could be harmonised to address both | ĺ | l | | | | | | |